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METEOROLOGICAL RESULTS
OF THE BYRD ANTARCTIC EXPEDITIONS
1928-30, 1933-35: TABLES

By G. GRIMMINGER and W. C. HAINES
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METEOROLOGICAL RESULTS
OF THE FIRST ADVANTAGE EXPERIMENTS
1908-50, 1908-50 TABLE

BY
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FOREWORD

By G. GRIMMINGER

Some of the data presented in this volume were prepared at Little America by W. C. Haines and H. T. Harrison in 1929-30, and by W. C. Haines and G. Grimminger in 1934-35. However, when the second expedition returned in 1935, the major portion of the work of preparing for publication the data of both the expeditions still remained to be done. It was, therefore, proposed that Haines and I proceed with this work in order to bring it to completion. Since, owing to the demands of his other duties, Haines found it impossible to devote any time to the work, I then agreed to carry it on alone; after working alone for some time, it became apparent that unless assistance could be obtained, the task would be a long and arduous one, and it is indeed fortunate that I was able to obtain assistance provided by the Works Progress Administration, assistance which I gratefully acknowledge and without which the completion of the present volume would have been considerably delayed. A. Busconi, of the W. P. A. personnel, has been especially helpful.

I am greatly indebted to Commander (CC) H. E. Saunders, United States Navy, cartographer of both Byrd Antarctic Expeditions, for devoting liberally of his time and his knowledge of cartography to provide final values for the geographical positions of the various trail parties and airplane flights.

It is a pleasure to acknowledge the efforts of H. T. Harrison in the meteorological work of the first Byrd

Antarctic Expedition. In working with the original records one could not fail to notice the care and accuracy with which he participated in the work; and the task of preparing the present volume has in many instances been made easier because of this.

Admiral Byrd deserves particular credit and admiration for the devotion with which he carried out the meteorological work at the Bolling Advance Weather Base, which he occupied alone. In spite of the innumerable difficulties and desperate conditions with which he was beset during his lone vigil at the world's southernmost meteorological station, Byrd, nevertheless, with very few exceptions, managed to make continuous meteorological observations and to keep the meteorological instruments operating without interruption.

I am indebted to Admiral Byrd, leader of the expeditions, to the late W. R. Gregg, formerly Chief of the United States Weather Bureau, and to D. M. Little, Chief of the Aerological Division, for the encouragement which they have extended to me in the preparation of this volume. This has been an ever-present incentive in the work, particularly at those times when the amount of labor involved seemed most formidable.

Acknowledgment is due the National Geographic Society, which supported the meteorological work on the first expedition by paying the salaries of Messrs. Haines and Harrison.

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INTRODUCTION

By W. C. HAINES

Exploration of the earth's polar regions brings to the minds of most people the thoughts of personal hardships endured in a land of ice and piercing cold. To the layman, then, the story of cold as indicated by the abnormally low temperatures experienced in the polar areas, is quite sufficient. But students of meteorology and world climatology require complete records of polar weather, including both surface and upper-air conditions, and such data, when systematically gathered and assembled, provide valuable meteorological information.

It is natural that far more meteorological data have been collected in the Arctic regions than in the Antarctic. During the past half-century many scientific expeditions have penetrated into the far North, and now permanent observation stations are established well within the Arctic area. For this reason, meteorologists are becoming better informed in regard to the influence of the Arctic and the outpouring of its cold air masses which so vitally affect the weather of North America and Europe.

But this is not so generally the case in the Antarctic. A number of expeditions have visited the south polar regions since the beginning of the century, and the British expeditions led by Scott and Shackleton, as well as the Norwegian expedition led by Amundsen, established bases in the Ross Sea region of Antarctica and collected a large amount of valuable meteorological data: but so far there have been no permanent weather stations operated on the Antarctic continent. While a large quantity of meteorological data has been accumulated from the Antarctic region, for the most part these weather records have been obtained from the continental coast and on islands in the South American and Australian sectors, and comprise almost entirely surface observations.

Rear Admiral Richard E. Byrd when planning his scientific expeditions to the Antarctic continent fully realized the importance that should be placed upon the meteorological work. He sought and obtained the services of trained meteorologists, as well as the loan of essential equipment, from the United States Weather Bureau, for carrying out the meteorological program of his two expeditions. The grateful appreciation of the Byrd Expeditions, and that of meteorologists generally, are due Professor Marvin and his successor in office, the late Dr. Willis R. Gregg, for their assistance and hearty cooperation.

The following pages contain a complete compilation of the meteorological data collected during both of the Byrd Expeditions. On the first expedition a party of 42 men established a base, named Little America, near the Bay of Whales, which was occupied from January 1, 1929, to February 19, 1930, a period of nearly 14 months. A second expedition of 56 men reoccupied Little America from January 17, 1934, to February 9, 1935, a period of about 13 months. This was fortunate, not only because it made possible the continuation of surface and upper-air observations at the same location, although 4 years intervened between the first and second expeditions, but also because the location of Little America was almost identical

to that of Framheim where Amundsen obtained 10 months' meteorological observations in 1911-12. An aerial view of Little America is shown in figure 1.

Both of the Byrd Expeditions journeyed to the Bay of Whales, in Antarctica, from Dunedin, New Zealand, a distance of about 2,300 miles across the South Pacific Ocean and Ross Sea. Meteorological observations were made during all of these voyages, and also on several exploring trips. The regular personnel of the ships was responsible for many of the observations, and the accuracy with which these were taken compares favorably with those taken elsewhere by observers of this type.

The permanent base site was established on the floating Ross Shelf Ice at latitude $78^{\circ}34'S.$, and longitude $163^{\circ}56'W.$ The meteorological observatory at Little America was fully equipped to carry out complete weather observations, and the work was conducted along lines similar to that of any first-order United States Weather Bureau station. The routine schedule provided for three complete observations every day, at 8:00 a. m., 2:00 p. m. and 8:00 p. m., 180th meridian time. In addition to the surface observations, a large number of pilot-balloon observations and a considerable number of temperature soundings were made. Meteorological observations were taken by various trail parties, the most important being those which visited the Queen Maud Mountains to the south and Edsel Ford Mountains to the east. Although these observations were not made by trained meteorologists, those who did the observing were given ample preliminary training.

During the second expedition, a secondary weather station was established at a point on the Barrier 100 geographical miles south of Little America. This was called the "Bolling Advance Weather Base," and was occupied by Admiral Byrd from March 26 to October 11, 1934. A schedule of surface observations was carried out at the Advance Base during this period.

Modern polar exploration, with its major aviation activities, is dependent, to a great extent, upon trained meteorologists and their interpretation of weather changes. Therefore, much practical use was made of the current meteorological data and upper-air soundings taken at Little America. The expedition's flying activities were governed almost entirely by results of pilot-balloon observations; for instance, not a major flight was made on either of the two expeditions unless observations first were taken to determine the wind movement aloft. During the early days of the first expedition, it was found that a deep southerly air current extending upward from the surface to high altitudes was always associated with clear skies and stable weather conditions. This knowledge provided the most dependable basis upon which predictions of favorable flying weather could be made. Frequent pilot-balloon observations were taken while flights were in progress so as to determine the trend of the wind movement, and thereby anticipate any sudden changes in weather conditions which were likely to follow.

The pilot-balloon ascents also frequently gave the first indications of the approach of a type of local blizzard that was common at Little America. These observations frequently revealed the existence of a stratum of strong wind at an altitude of a few hundred feet. Quite often the high velocities broke through the cold dense layer of slower-moving surface air, and caused heavy drifting of the snow. Such information was found to be very valuable

when planning those camp activities with which drift always seriously interfered.

Weather reports were exchanged by radio from October 22, 1934, to January 11, 1935, with the Ellsworth Expedition which was based at Deception and Snow Hill Islands. A large amount of surface and upper-air data were furnished to them in connection with Lincoln Ellsworth's proposed flight across the continent to Little America.

BYRD ANTARCTIC EXPEDITION I, 1928-30

The meteorological program of the first expedition was organized in the summer of 1928, after Admiral Byrd obtained the cooperation of the Weather Bureau in furnishing trained personnel and meteorological equipment for the expedition. The writer was assigned to conduct the meteorological work with H. T. Harrison to assist. In planning the meteorological program, the importance of upper-air investigations in the polar regions was stressed. Thus, in addition to the usual instruments for making surface observations, pilot balloons, hydrogen gas, theodolites, and kite equipment were included for upper-air soundings. Complete apparatus for testing and calibrating the kite meteorographs was taken to Little America.

All the instruments were of the same type as used by the United States Weather Bureau and are described in detail in the various Weather Bureau circulars; they were thoroughly tested in the United States before the departure of the expedition. Additional clocks and spare parts were included for replacements and repairs. In short, every care was taken to insure a continuous and accurate record of the meteorological conditions experienced during the year or more the party planned to be on the Antarctic ice.

The first expedition embarked from Brooklyn, N. Y., in the latter part of September 1928. Two ships were used to transport the personnel and supplies; the *City of New York*, an old sailing vessel fitted with auxiliary steam power, and the steamship *Eleanor Bolling*, a steel vessel of 450 tons. Both ships were bound for Dunedin, New Zealand, where additional supplies and equipment awaited their arrival. This was to be the last stop in civilization from which the trip to Antarctica would begin.

After an uneventful but slow voyage through the Panama Canal and across the Pacific via Tahiti, the ships finally arrived at Dunedin. While assembling the supplies and equipment to be used at the Antarctic base, it was discovered that several scientific instruments had been damaged because of a leaking fresh-water tank on board one of the ships. Only a few Weather Bureau instruments had been injured, however, and before sailing time they had been satisfactorily repaired by a local instrument maker of Dunedin.

On the morning of December 2, 1928, the *City of New York*, loaded with vital supplies for the expedition, and accompanied by the *Eleanor Bolling* with a cargo of coal, sailed for the Bay of Whales. When the Ice Pack was reached, the bunkers of the *City of New York* were refilled with coal from the *Eleanor Bolling* and the latter vessel then returned to New Zealand for a second cargo of supplies. Meanwhile the *City of New York*, after spending much valuable time searching for a safe opening, finally entered the Ice Pack and proceeded southward through the Ross Sea to the Bay of Whales. After departure from Dunedin complete instrumental equipment was set up on board the *City of New York*, and, in spite of the constant duties that everyone was called upon to perform during

the voyage, complete weather observations were made from Dunedin to the Bay of Whales.

At the end of a hazardous trip of 26 days, the *City of New York* finally reached the Bay of Whales. As soon as a satisfactory site for a base camp could be found, the ship tied up to the edge of the treacherous Bay ice, and the work of unloading the ship and transporting the supplies to the base was speedily begun. Because of the unfavorable ice conditions that prevailed in the Bay, this work necessarily continued for several weeks and required the help of all on board. But, during all this time, the weather observations were continued on board the ship, and it was not until the middle of February that the observational equipment was removed to the base at Little America, a distance of about 5 miles.

Little America, by this time was only partially constructed. For this reason the instruments were temporarily installed after being removed from the ship. The barometers, barograph, and wind recorder were placed in the Mess Hall, with the anemometer mounted on a heavy timber, 15 feet above the surface. A shelter containing the thermometers, thermograph, and hygrograph was supported in one of the radio towers so as to be about 5 feet above the surface of the ice and snow. Careful consideration was given to the elevation of the barometers. This was approximately 30 feet above sea level, which permitted the same elevation to be maintained when the permanent installation was made some weeks later.

As speedily as possible the meteorological station was established in the Administration Building, which was located some 200 yards east of the Mess Hall. The barometers were mounted on the wall, and the previously determined elevation of 30 feet above sea level was verified by the expedition's surveyor. A thermometer shelter was permanently installed upon a 5-foot support, 20 feet west of the building, and the anemometer and wind vane were mounted on a wooden support 20 feet above the surface.

Through the inability of the *Eleanor Bolling* to make a second trip from New Zealand with additional supplies for the base, as had been planned, a standard metal support for the anemometer and wind vane and a register for recording wind direction, failed to reach the Antarctic. However, the meteorological work suffered very little on this account, for a wind direction-indicator, similar to those now in use at Weather Bureau airport stations, was constructed. The directions were indicated by tiny lights, and the device was installed in the building near the velocity recorder.

Every precaution was taken to insure reliable instrumental readings. Great care was exercised when the standard mercurial barometers were carried on board the ship. They were secured in an inverted position so as to insure absolute safety during the long and extremely rough voyage. Upon arrival in New Zealand they were

taken from the cases, checked carefully, and hung in the chart room of the *City of New York* for the remainder of the trip. A dog team that hauled the barometers and other fragile equipment the 5 miles over the ice from the ship to Little America was accompanied by the meteorologists. Comparative readings of the barometers after their final installation at Little America showed them to be in perfect condition. Other barometric comparisons made from time to time during the year showed their condition remained unchanged.

Extra thermometers were installed in the instrument shelter and used as a check on those from which the station temperatures were read. This precaution was taken in order to detect any separation in the spirit column or other defects which could develop in the station thermometers. The readings of the mercurial maximum thermometer were limited to days on which the temperature was definitely above the freezing point of mercury. At lower temperatures the maximum readings were obtained from the thermograph record after proper corrections were made.

The pilot-balloon equipment consisted of 2 standard theodolites, a stock of about 500 rubber balloons, and approximately 4,000 cubic feet of hydrogen gas confined in metal cylinders. A supply of small paper lanterns and candles for use in making pilot-balloon observations in the darkness was also included.

The pilot-balloon work began at Little America on January 16, when the hydrogen gas arrived at camp after a difficult transfer from the ship. This, of course, was some weeks before arrangements could be made to house the theodolite and filling devices. In order not to delay operations the theodolite was set up on the Barrier with a temporary windbreak constructed by piling boxes of food so as to protect the observer. This did not prove at all satisfactory, for while it partially protected the observers from the cold winds, it also caused snow to drift over the theodolite. As a result of a series of blizzards throughout February and March, much time was spent shoveling the theodolite out of the snow. Balloons were inflated in a small tent, but this arrangement presented difficulties when the wind was blowing. But in spite of these handicaps it was possible to keep the series of observations unbroken until the permanent location was constructed.

This experience revealed that the utmost protection for observers and instruments would be necessary if pilot-balloon observations were to be continued throughout the long winter night. By this time the Administration Building had been completed. It was connected to another house by a tunnel which also led to the surface. However, it was not long before drifting snow had covered the building so that it was submerged entirely beneath the level of the surrounding Barrier surface with only the stove and ventilator pipes remaining visible.

It was decided, therefore, to excavate a small room beneath the snow to be used for storing the equipment and inflating the balloons. This room was located at a corner formed by the front of the Administration Building and the vestibule that connected with the tunnel. But in order to release and observe the balloons, an opening about 4 feet square was cut through the ceiling upward to the surface. It was boxed in with a frame that projected about a foot above the level of the snow. Then, by arranging a light wooden top or cover, which could be removed or replaced from beneath, it was not necessary for the observer to leave the protection of the room. A small elevated platform, for the tripod and the observer, was erected directly under the opening so as to bring the

theodolite telescope level with the top of the frame. With this arrangement the balloon observations were conducted with complete satisfaction and in comparative comfort as long as suitable clothing was worn. A similar arrangement was used in 1934-35 and is shown in figure 2.

Drifting snow became the greatest hazard in connection with the pilot-balloon work. A wind of 20 miles per hour would drive the snow along the surface, while at 25 or 30 miles the air became so filled with drift that the visibility was reduced to a distance of only a few yards. Very frequently frost collected on the theodolite lenses, especially the eyepiece, since provision had not been made for heating the lenses. When frost formed, the deposit had to be removed continuously during the observation in order to keep from losing sight of the balloons. Occasionally this frost collected on the lenses and prism inside the theodolite, and it became necessary to remove the instrument to the house and thoroughly dry it out over the stove. Whenever such treatment was required the procedure usually consumed several hours.

When taking instruments from very low temperature outdoors into a warm room it was found that a thick coating of frost formed as soon as warm, moist air came in contact with the cold metal parts. Then when the frost melted, the instrument became saturated inside and out with water. For this reason, therefore, instruments exposed in the open were never taken indoors except in an emergency, and all record sheets, such as the thermograph and hygrograph, were changed on the outside, or in the protected tunnel system which was nearly as cold.

The pilot-balloon plotting board was installed along with the other equipment in the Administration Building. A portable telephone circuit connected the inner office with the theodolite. This arrangement enabled the "observer" to transmit the angle readings to the "recorder" at the plotting board so that he could compute the observation at the same time the balloon was being followed by the "observer." See figure 3.

Small paper lanterns illuminated with candles were attached to the balloons during the winter night. These could be followed, under favorable atmospheric conditions, to a height of 4,000 or 5,000 meters. In order to read the theodolite scales when it was dark it was necessary to use lighting devices which were fastened on the theodolites. These were operated from a storage battery that was kept within the building.

It had been originally planned to take the balloon observations at intervals of approximately 12 hours, yet at the same time obtain as great an altitude as possible whenever favorable weather conditions permitted. But because of the frequency of low clouds or drifting surface snow, as well as the necessity of conserving gas and balloons, it became impracticable to adhere to a regular schedule, with the result that the times of the pilot ascents are somewhat varied. A total of 414 pilot balloon observations were completed during a period of 385 days. On February 5, 1930, the final balloon observation was made prior to the packing of the equipment for the return to the United States.

The kite equipment consisted of two Marvin kite meteorographs, several unassembled box kites of standard type, many thousand meters of piano wire, and a special light-weight hand reel; this latter was necessary because the standard kite reel used by the Weather Bureau was far too heavy for transportation in the Antarctic.

During a severe blizzard in March, a crate of essential kite parts was lost under the snow. This delayed considerably the starting of the work as it was late in the

winter before replacements could be made to permit the assembling of a sufficient number of kites to start making ascents. After many difficulties and delays resulting from drifting snow there was finally constructed a snow-block storage house. This was about 20 feet long, 12 feet wide, and 7 feet high, and was covered with a tarpaulin supported with bamboo poles. One end of the house was partitioned off as a workroom, and the other used for storage of equipment. A large opening in the wall provided for the passage of the kites, and a crude stove designed to burn seal blubber gave some warmth. Under favorable conditions, the temperature in the workroom could be raised to about 0° F., which was quite cold for work that necessarily had to be done with the bare hands. See figure 4.

Kite flying began in the latter part of September 1929, after a sufficient number of kites had been assembled. In the meantime the expedition machinist had skillfully converted an outboard motor so it would operate the power unit of the kite reel. The first kite ascent was made on a particularly cold and disagreeable day, and several men received severe frostbite of the face and hands before the ascent was completed. Following this experience it was deemed advisable to postpone further ascents until more moderate weather. Kite ascents were made with some regularity during the next 2 or 3 months, but were limited in altitude because of the failure of the motor-driven equipment, which necessitated reeling in by hand. Finally, while making an ascent in the latter part of December, the head kite, carrying the only remaining serviceable instrument, broke loose and disappeared. Just a few days before leaving Little America, this kite was accidentally discovered lodged in the jagged pressure ice far out on the Bay, and the instrument recovered.

Conditions at Little America were far from ideal for kite work. Because of their higher velocity, the most favorable winds for launching kites were easterly, but these were nearly always accompanied by low clouds. When the kites entered the cloud layer, which was always many degrees below freezing, the weight of the ice and rime that collected prevented them from rising into the lighter winds that usually prevailed higher up. Therefore, after prolonged and unsuccessful attempts to gain more altitude, the kites and wire became so weighted with rime that the whole assembly fell to the surface. As a result, several miles of wire, with from four to six kites attached at approximately half-mile intervals, often lay stretched over the Barrier. Much of the work connected with the

the kite ascents consisted, therefore, in gathering up kites and wire and hauling them back to camp by means of dog team.

The first Byrd Expedition had no special plane provided for making temperature soundings. However, a kite meteorograph was installed on the plane whenever a major flight was made. These records were desired not only for their meteorological significance, but also for their use in computing the plane altitudes, which were needed in connection with the aerial mapping surveys.

In the case of the small four-passenger plane, the instrument was suspended by coil springs within a metal frame that was attached to a wing brace or strut. However, this method of supporting the instrument was not satisfactory in the trimotored Ford plane because excessive vibration rendered the records useless. After experimenting with various methods of attachment, the instrument was finally suspended within the fuselage to the rear of the cabin by means of rubber cords. Ample ventilation was insured by running a tube of wind proof cloth from an air vent in the top of the fuselage to the meteorograph. A perfect record was obtained in this manner on the long polar flight from the time the plane left Little America until it returned, nearly 19 hours later.

Trail parties were encouraged to keep complete meteorological records on their exploring trips. They were provided with thermometers and aneroid barometers which had been carefully calibrated at Little America. Careful instruction was given to the person designated to make the meteorological observations.

Precipitation in the Antarctic region is nearly all in the form of snow. An attempt was made to determine the daily amounts of snowfall. It turned out to be very difficult to give these amounts with any close degree of accuracy since in the majority of cases snowfall was accompanied by fairly strong winds which caused the air to become filled with drifting surface snow as well as the falling snow. In these instances the amount of snowfall was estimated as closely as possible by taking into account its intensity and duration. When the snowfall occurred with light winds the depth of the newly fallen snow on the surface was measured directly, and the amounts given in these instances can be regarded as quite accurate. The amounts are published herewith, and while no claim can be made as to their accuracy, it is believed that the results are sufficiently reliable to indicate the relative monthly amounts in most cases.

BYRD ANTARCTIC EXPEDITION II, 1933-35

Admiral Byrd, in the summer of 1933, again sought the cooperation of the Weather Bureau to conduct the meteorological work of the second expedition. G. Grimminger was assigned to carry on the meteorological work and the writer was to go along to help set up the station and then return with the ships. However, in view of the large amount of work to be done, it was decided that I should stay and the meteorological work was carried on by the two of us. As was the case in the first expedition, the Weather Bureau lent the instrumental equipment.

In organizing the meteorological work of the second expedition it was considered advisable to continue along the same general lines followed on the previous expedition and emphasis was again placed upon upper-air observations.

Because of the difficulties encountered on the first expedition in using kites, it was decided to use a small plane

instead. An autogyro, therefore, was included with the aviation equipment, primarily for the purpose of making temperature soundings. Several aerometeorographs to be used on these flights, as well as complete testing apparatus for their calibration, were included.

Because of the plans to maintain an additional weather station in the interior some distance south of Little America, it was necessary to increase considerably the amount of the instrumental equipment over that provided for the first expedition. The pilot-balloon equipment was increased by additional theodolites and a larger supply of hydrogen gas, balloons, paper lanterns, etc., so that pilot-balloon ascents could be made at the secondary weather station.

As on the first expedition, care was exercised to insure the safe arrival of the barometers at Little America. Two standard Weather Bureau mercurial barometers, in order

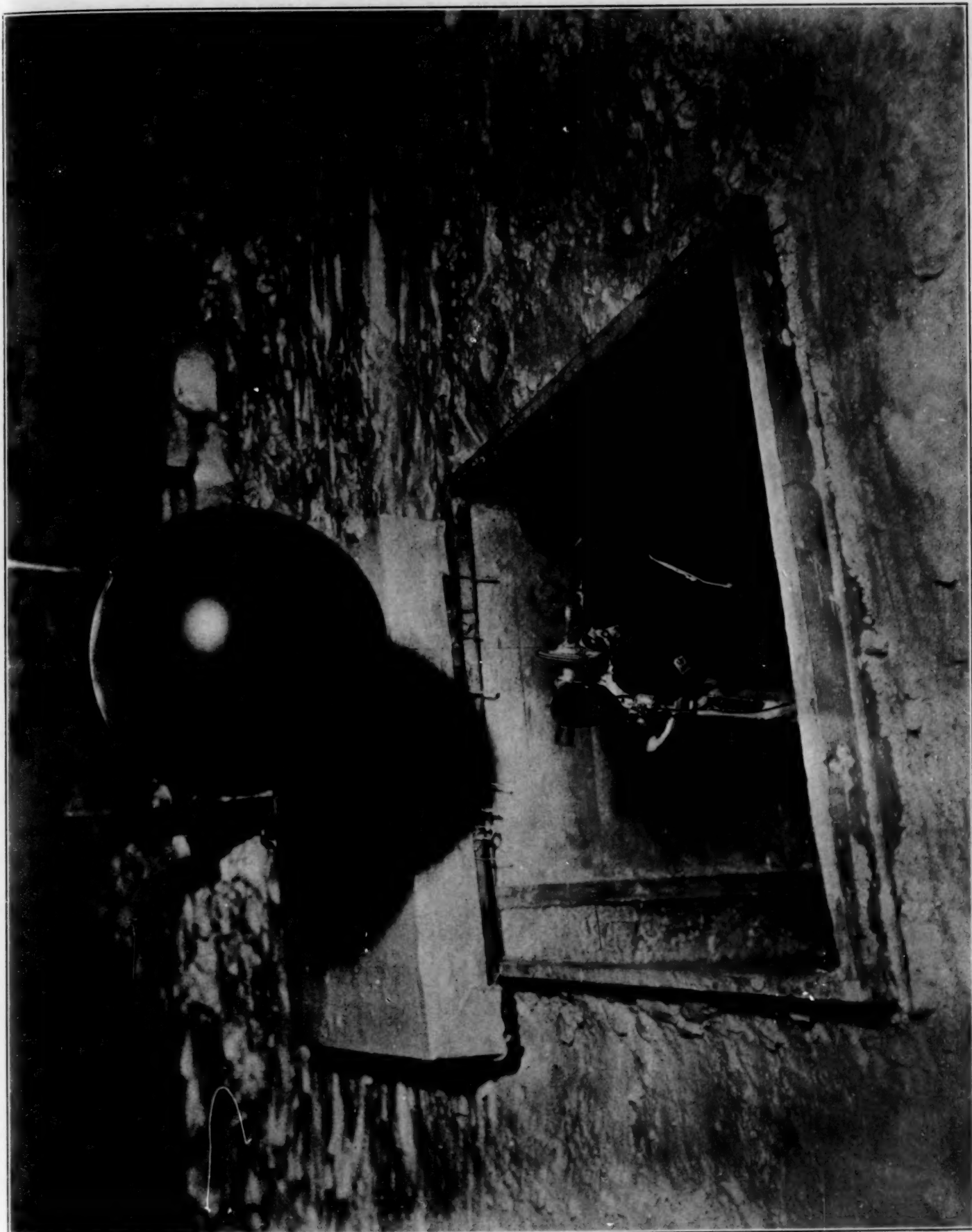


FIGURE 2.—Pilot-balloon observation platform at Little America, 1934.

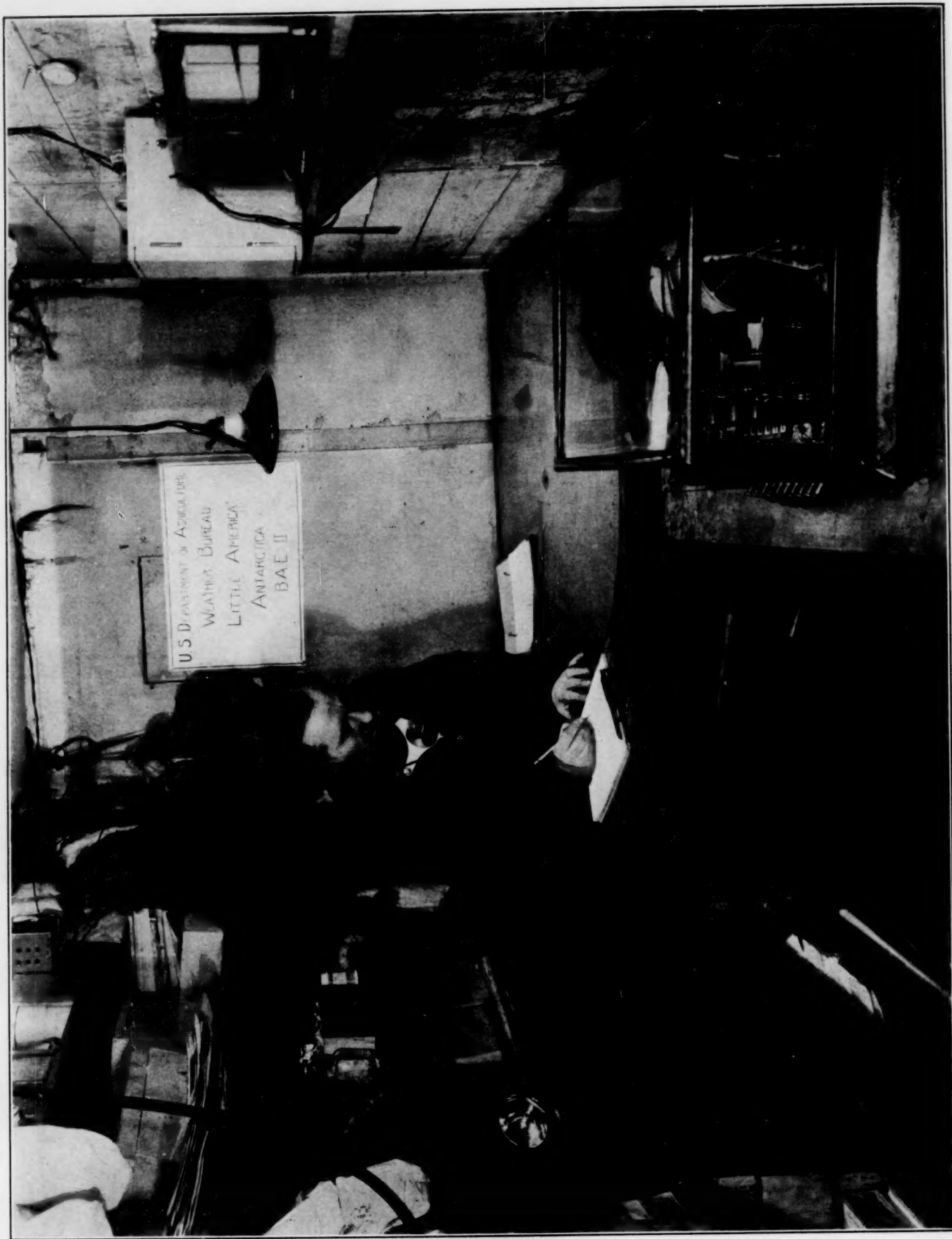


FIGURE 3.—The interior of the meteorological observatory at Little America, 1934.



FIGURE 4.—Kite and kite house, Little America, 1930.



FIGURE 5.—Wind vane and anemometer support at Little America.

to avoid rough handling by other means, were transported personally from Washington, D. C., to Boston, Mass., and placed on board the ship. Upon arrival at the Bay of Whales, they, together with three others, were taken to the base by one of the tractors, but carefully held in an upright position by hand during the entire trip. After these barometers were permanently installed, comparative readings showed that they were in perfect condition. These details are mentioned in order to show the care taken to insure reliable pressure readings.

The second expedition embarked from Boston, Mass., and, as on the first expedition, two ships were used to transport the personnel and supplies. These were the barkentine *Bear of Oakland*, which used auxiliary steam power, and the steel freighter *Jacob Ruppert*. The *Bear of Oakland* had the heroic distinction of rescuing Gen. A. W. Greely and the six remaining survivors of his ill-fated expedition at Cape Sabine, in 1884. She subsequently served in the Arctic whaling fleet. The *Jacob Ruppert* was an 8,000-ton oil-burning steel vessel of wartime construction.

The *Bear of Oakland* sailed from Boston, Mass., on September 25, 1933, and the *Jacob Ruppert* departed a month later. Both vessels were bound for Wellington, New Zealand, which was to be the last stop before making the trip southward through the icy waters of the Ross Sea. The *Jacob Ruppert* carried the planes, more than 150 dogs, and most of the supplies and scientific equipment.

On December 5, the *Jacob Ruppert* arrived in Wellington, in advance of the slower *Bear*. Supplies which had been previously assembled at that city were taken on board. Because the plans of the expedition called for exploration by ship and airplane of a large and previously unknown area lying to the eastward of the Ross Sea, the aviation section prepared the large Condor plane for flight. It was secured to a platform built over a hatch on the after well deck, and was equipped with pontoons so that it could take off and land in open water.

The vessel left Wellington on December 12, 1933, and steamed along a southeastward course that reached the ice filled waters in the vicinity of the Antarctic Circle and the 150th meridian. From there the ship cruised eastward among great icebergs and vast fields of pack ice as far as the 116th meridian before it again turned westward. Three airplane flights were made to the southward over the pack ice, but indications of land were not observed. At last, when the vessel reached a point north of the Ross Sea, its course was directed southward to Little America.

Very little pack ice was met while approaching the Ross Sea. This was surprising and unexpected since on the first expedition a pack 300 miles in extent was encountered in the same vicinity. Without further delay, therefore, the ship journeyed through the Ross Sea and entered the Bay of Whales on the morning of January 16, 1934. But here great difficulty was experienced in the unloading of the ship. The ice was breaking up rapidly, and it was only with extreme effort and good fortune that the supplies could be removed and carried back upon the bay ice a safe distance. Transportation of the supplies to the base next presented a tremendous problem owing to the large pressure ridges and numerous crevasses which had developed since our first visit. It was more than a fortnight after landing before a regular schedule of weather observations could be started again at Little America.

The *Bear of Oakland*, after taking on lumber, tractors, and other stores in New Zealand, started south on January 19. After an uneventful trip through the Ross Sea,

she arrived in the Bay of Whales on the night of January 30. The next few days were spent in unloading the ship. Then, on February 7, Admiral Byrd took the *Bear* on an exploring trip to the northeastward to determine, if possible, the trend of the coast line of Marie Byrd Land, but the heavy pack ice forced the ship back when it reached the 148th meridian. A few days after returning to Little America, the *Bear* was sent northward into the Ross Sea to meet the British exploring ship *Discovery II* which was bringing a doctor and additional medical supplies for the expedition from New Zealand.

The meteorological observations were taken at Little America in the same location as on the first expedition. The mercurial barometers were again mounted on the wall of the same building at about 30 feet above sea level, and the anemometer and wind vane were placed on a standard 18-foot metal support, 15 feet east of the building. The instrument shelter mounted on a 5-foot support, was located 20 feet from the southeast corner which was a sufficient distance away so as not to be affected by the heat from the stove pipes. See figure 5.

The pilot-balloon equipment was installed at the same location and in similar manner as on the previous expedition. The first balloon observation was taken on March 30, 1934. However, as was the case on the previous expedition, a regular schedule was not followed on account of the frequency of surface drift and low clouds. In spite of this, 2 or more observations were made daily whenever the weather permitted. The station was dismantled on February 2, 1935, in preparation for the return journey home, and a total of 569 observations were taken during the 310-day period it was in operation.

Frosting of the theodolite lenses, which caused considerable trouble on the first expedition, was prevented by the installation of thermal units on the instrument. It had been planned to have the heating devices constructed and placed on the theodolites when the equipment was being assembled, but this was found to be impracticable. However, resistance wire and insulating material needed for constructing these units were included with the scientific equipment.

The heating device for the eyepiece consisted of a number of turns of resistance wire wrapped around a short section of insulating tube. This was of a sufficient diameter so that it would slip over the eyepiece tube when the cap had been removed. A covering of nonconducting material was then placed around the tube in order that a greater quantity of heat would be conducted toward the lens. Wire leads connected this resistor to a 6-volt storage battery located within the building.

In addition, it was necessary also to heat the object lens. This was accomplished by placing a small electric light bulb on the under side of the telescope so that the bulb was even with the end of the barrel. Then a layer of asbestos cloth was placed around the bulb and the telescope, and held in place with a wrapping of friction tape. Wire leads, running from the bulb, connected to the 110-volt lighting circuit indoors. Switches were provided to turn either of the heating units on or off as needed. These heating devices, although crude, gave very satisfactory service.

A small portable building had been constructed before leaving the United States to house the personnel and equipment of the secondary meteorological station. This was to be located in the interior to the south far away from the moderating influence of the Ross Sea. The original plan for three men to occupy the Advance Base during

the winter night was abandoned when Admiral Byrd finally decided to occupy it alone. This station was located approximately 100 geographical miles south of Little America, which was much closer than had been originally intended.

It was supplied with the usual instruments for registering and automatically recording temperature, pressure, wind direction, and velocity. But the original plan for making pilot-balloon ascents there had to be abandoned after it had been decided that only one man would occupy the station. The mercurial barometer, although carefully packed, was broken either while en route by plane to the Advance Base or while the house was being assembled. However, its loss did not prevent reliable pressure records from being obtained, for readings were taken from both an aneroid barometer and a barograph. These instruments had been carefully calibrated at Little America before being sent to the Advance Base.

In addition to the standard thermograph, which was exposed in the instrument shelter, the recording part of a telethermograph was installed in the house and its temperature element exposed in the shelter beside the thermometers. This precaution was taken in case the standard thermograph failed to function on account of extremely low temperatures.

Before departing for the Advance Base, Admiral Byrd was given preliminary instruction in the use and care of the instruments. The wind vane and support selected for this interior station were of the light airway type with unprotected wind-direction contacts. Frequently these contacts became covered with a very thin film of rime, which had to be constantly removed in order for the wind-direction apparatus to properly record. The standard thermograph sometimes failed to function during the lowest temperatures, but continuous records were obtained by means of the tele-thermograph.

Temperature soundings by airplane were commenced while the winter conditions still prevailed. In the latter part of August, just as soon as the sun appeared, the autogyro was dug out of the snow and prepared for flying. It was planned to make daily ascents whenever the weather was favorable. Since it was thought that certain parts of the plane might be affected by extremely low temperatures, ascents were not made on some of the colder days when the thermometer registered -60° F., or below.

The first sounding was made with the autogyro on September 1, 1934, by W. S. McCormick, who had been assigned to pilot this plane. They were continued in spite of the low temperatures until a total of 10 ascents had been made in the period of about 3 weeks. Then, on the eleventh ascent, an unfortunate disaster brought the airplane soundings temporarily to an end. On September 25, the autogyro was demolished while making a forced landing, and the pilot was injured.

The loss of the autogyro not only interrupted the temperature soundings, but also made it difficult to obtain

as many soundings as were desired later on since the remaining larger planes were then being used for other purposes. Besides the large planes required more work to prepare for flight and more fuel to operate, and this made their use impracticable for daily ascents. However, the soundings were continued but not with the regularity that was desired. Aerometeorograph records were obtained on most of the exploring flights. A number of soundings to the surface were also made by plane to obtain the approximate height of the Rockefeller Plateau which was discovered to the east of Little America.

It is difficult for those who are not familiar with conditions in the Antarctic to realize how much physical work and exposure were required by the aviation personnel to make these temperature soundings. As a rule, several men usually worked for about 3 hours heating the oil and motor, filling the tanks, and clearing the drifted snow from various parts of the plane before a sounding could be made. Then another hour or two was required to complete these meteorological flights, drain the oil, and properly secure the plane.

The method of exposing the aerometeorograph was similar to that used on the first expedition. In the case of the autogyro, the instrument was suspended in a metal frame attached to the wing strut, but in the *Pilgrim* and the large Condor plane it was suspended within the fuselage to the rear of the cabin by means of rubber cords. The air from the outside was conducted to the instrument through a tube made of windproof cloth.

At the close of the first expedition, the writer made many attempts, in addition to his regular duties in the Weather Bureau, to compile the large amount of data that had been obtained, but owing to the immense task involved, it became impossible to make rapid progress. Therefore, only a small portion of the data had been compiled by the time the second expedition left the United States in September 1933. On the return of the second expedition in 1935, G. Grimminger was selected by the Weather Bureau to compile and prepare for publication the complete data of both the expeditions.

In conclusion, the writer wishes to express his thanks and appreciation for the splendid cooperation and assistance given in the meteorological work by Admiral Byrd. The airplane temperature soundings were made possible through the cooperation and assistance of the aviation personnel, particularly Bernt Balchen and Harold I. June, chief pilots of the first and second expeditions, respectively; W. S. McCormick, who made the ascents with the autogyro; W. H. Bowlin, Paul Swan, and Vernon Boyd, for their work in preparing the autogyro and other planes for making temperature soundings. Other members of the expedition who deserve particular mention for the valuable assistance given in the meteorological work are: Victor H. Czgeka, for his skill in repairing instrumental equipment; Frank T. Davies and Arnold Clark, for their generous aid with the kite work; Paul Siple, E. J. Demas, and others for their valuable services.

EXPLANATION OF THE TABLES

By G. GRIMMINGER

LITTLE AMERICA

Latitude 78°34'06" S.; longitude 163°55'58" W.
Height of barometer above sea level, 30 feet.

Height of surface above sea level, 46 feet.

BOLLING ADVANCE BASE

Latitude 80°07'30" S.; longitude 163°55' W.
Height of Advance Base above sea level, method 1=246 feet.

Height of Advance Base above sea level, method 2=280 feet.

Method 1 is based on the mean pressure at Little America, and Advance Base for the 6-month period for which the latter station was occupied; the mean temperature of the air column was computed by using the mean temperature at Little America for the above period, together with the mean lapse rate of temperature in the lowest layer for September; this latter is probably representative of conditions prevailing during most of the winter months, which is the season during which the Advance Base was occupied. This method of obtaining the mean temperature of the air column is used in order to help eliminate the effect on temperature of the cold surface layer.

The elevation has also been computed by method 2 in order to help eliminate the effect which would be produced by the presence of horizontal pressure gradients. It is assumed that the pressure gradient is smallest on those days on which the surface wind velocity at both stations is small. In using this method I have obtained the mean of the pressures at the two stations for those days on which the mean surface-wind velocity at both places was not more than 6.0 miles per hour; the mean temperature of the air column was computed in a fashion similar to that described above, using the mean temperature at Little America for the days selected.

When the mean surface temperature at Advance Base is used in computing the mean temperature of the air column, it is found that the value of the elevation is reduced by about 10 feet.

Data of the same kind for both expeditions have been grouped together in the same table, and all data at Little America and Bolling Advance Base are based on 180th meridian time.

Tables 1 to 13, inclusive, contain the meteorological observations taken on board ship during the various journeys into Antarctic waters. The observations on board the *City of New York* from December 2 to 31, 1938, and on the *Bear* from January 20 to February 15, 1934, were taken by trained meteorologists; the remaining ship data, however, were taken from the ship logs as recorded by men who were not especially well versed in meteorological observations. These data seem fairly satisfactory, with the exception of the values of air temperature taken on board the *Eleanor Bolling*, which seem to run consistently 4° or 5° too high. The routes of the different ship journeys are shown in figure 6.

The pressure was determined by means of aneroid barometers, and the readings have been adjusted, when possible,

where simultaneous readings are available on board ship in the Bay of Whales and at Little America.

The water temperatures given were determined by a thermometer at the intake, which was located some 15 feet below the sea surface. Although extensive water-bucket observations of the sea-surface temperature were made on all cruises of the *Bear*, I have been unable to obtain these observations so as to include them here.

Table 14 contains the meteorological observations taken at Camp David Rockefeller. The altitude of this camp has been computed from the mean temperature and pressure there and at Little America for the period in question.

Tables 15 to 21, inclusive, contain the meteorological observations during journeys away from the base at Little America. The pressure was determined by means of aneroid barometers. The cloud observations are not as complete as could be desired; in some instances the type and not the amount is given and in other cases the amount and not the type. The routes of these trail journeys are shown in figure 7.

I have computed the elevations for the various camps occupied by the trail parties by assuming that the correct sea-level pressure to be used at each station is that observed simultaneously at Little America; the mean temperature of the air column was assumed to be the arithmetic mean of the temperature at Little America and that at the station in question. Where more than one observation was taken at the same station, the elevation given is the mean of the individual determinations.

It is realized that in some cases the elevations computed in this way can be somewhat in error, especially when the camp in question is far removed from Little America and there exists simultaneously a large horizontal pressure gradient; certain errors can also be introduced by the assumption used concerning the mean temperature of the air column. Although several different methods can be used in an effort to help remove any such errors, no attempt has been made to do this here.

Table 22 contains the meteorological observations received by radio from the Ellsworth Expedition from October 22, 1934, to January 11, 1935, while at Deception and Snow Hill Islands.

Tables 23 and 24 contain, respectively, the meteorological observations on board ship in the Bay of Whales and at Little America. The pressures were determined by mercurial barometer and are reduced to 32° F., standard gravity and sea level, the elevation of the barometer at

Little America being about 30 feet above sea level; this figure applies to both expeditions.

The thermometers in the instrument shelter at Little America were about 5 feet above the snow surface; those on board the *City of New York* were about 15 feet above the sea surface.

During the dark period the determination of cloud direction was very difficult and in many cases it has not been possible to give this, although the numerous pilot-balloon ascents were of great help in this connection. In cases where the direction given is uncertain, the direction is followed by a question mark and enclosed in parentheses.

The wind velocities have been corrected according to the table of corrections given below.

The tables for 1929-30 include observations of visibility and snowfall. The visibility is expressed in units from 0 to 9, according to the scale given below. The depth of snowfall for each day from 0h to 24h, obtained either by direct measurement when this was possible or else by "estimation," is given in the last column in the space between consecutive days and refers to the day above. The sum of these figures is given at the end of each month as the total monthly snowfall. The difficulty of "estimating" snowfall is well known, and H. T. Harrison, who made the "estimates," as well as the measurements, is of the opinion that the daily amounts when determined by estimate may in some cases differ from the true fall by as much as 50 percent, but that the relative snowfall by months can be accepted as fairly accurate.

In the "Remarks" column there is frequent mention of "ice crystals falling" and "shower of ice crystals." These crystals are single minute particles of clear ice, usually having an elongated form and often occurring with clear skies; they are sometimes referred to as ice spicules and ice needles. When these particles were falling they could be detected in the beam of a flashlight in the dark season or by looking toward the sun in the light season. When the number of particles in the air is great enough they can cause a noticeable lowering of the visibility.

The intensity of drifting snow at the time of observation is entered in the column headed "Drift," and is given according to the following scale: light, moderate, and heavy. The drift was considered light when it extended from several inches to several feet above the snow surface. Heavy drift, on the other hand, extended upward for perhaps 50 to 100 feet and made it impossible to see objects only a few feet away. Moderate drift occurred between these two extremes. There seems to have been a tendency toward a more conservative estimate of the drift intensity in the 1934-35 observations.

Table 25 contains the meteorological observations taken by Admiral Byrd at Bolling Advance Base, which he occupied alone. The observations have all been reduced to 180th meridian time so as to be comparable with those at Little America. The pressures were determined by means of an aneroid barometer, since the mercurial barometer which was sent along for use at the station was hopelessly broken, although it was extremely well packed for the journey. The barograph record was corrected by means of the readings of the aneroid.

The wind velocities have been corrected according to the table of corrections given below.

Only the cloud amount was observed and not the type. The haziness, as indicated by numerous entries of hazy in the remarks column, is probably in most cases due to falling ice crystals.

Table 26 contains the results of the kite and airplane ascents at Little America and airplane flights from Little America. Nearly all of the soundings in 1929-30 were made with kites, while all of those in 1934-35 were made by airplane. The various ascents and flights have been arranged in chronological order and a number given to each. Since, in many cases, each ascent or flight comprised more than one sounding, another set of numbers is used in the tabulation so that each sounding is designated by a number. These numbers arrange the soundings in order by months regardless of the year in which they were taken.

I have attempted to give the results of the soundings as completely as possible and have included potential temperature, lapse rate, data for standard levels, and, where possible, the relative and specific humidities. These latter have, as a rule, not been given for soundings made during the colder season since there is practically no response of the humidity element at such low temperatures. In general, better humidity records were obtained in the soundings by kite than in those by airplane, and only relatively few of the latter were considered good enough to be used in the tables. The specific humidities and potential temperatures have been taken from the adiabatic chart, and the possible error in these latter may be as much as 0.2° A. The data for the standard levels have also been obtained from the adiabatic chart, and the possible error in these is probably not more than one of the smallest unit used, with the exception of the potential temperature where this may be as much as 0.2° A. The lapse rate between two levels has been entered opposite the upper level, a plus sign being used for decrease of temperature and a minus sign for increase of temperature with height. The surface relative humidities were taken from the readings of the hair hygograph.

In the tabulation of the results of the soundings with kites, the direction of the wind, as indicated by the azimuth of the kite wire, is given in the column headed "Wind direction." Below the sounding data there is given the result of the pilot-balloon ascent made nearest in time to that of the sounding.

An aerometeorograph record was obtained for nearly all of the various airplane flights from Little America, and the results of these records are also contained in table 26. The data just after the take-off and just before the landing at Little America have been set off from the main body of figures by a space, and these data can be considered as representing a sounding at Little America since the plane was probably not too far removed in the horizontal for this to be the case. There are also several instances where the plane underwent considerable altitude variations at positions fairly far removed from the camp, and the data for such portions of a flight can also be considered as representing a sounding appropriate to the position in question. The average speed of the plane was only 90 to 100 miles per hour and when it was climbing, horizontal distance was covered at a considerably smaller rate. All the flight data which are to be considered as representing a sounding are given with lapse rates and data for standard levels.

On some of the flights attempts were made to get the elevation of the surface at various places by bringing the plane down close to the surface and then by computing these elevations from the record of the aerometeorograph. All such elevations obtained in this way are indicated in the table by having the word "Surface" opposite them.

Since the plane did not actually land in these instances, it is probably necessary to deduct about 30 meters or so from the elevations as given.

The routes of the airplane flights from Little America are shown in figure 7.

Table 27 contains the results of all the pilot-balloon ascents made at Little America. The first column gives the altitude of the balloon above the surface at the end of each minute of ascent; the second column gives the azimuth from which the wind blows, 0° indicating wind from the south, 90° wind from the west, etc.; the third column gives the direction from which the wind blows to the nearest sixteenth division of the compass; the fourth column gives the velocity of the wind in meters per second. All altitudes can be referred to sea level by adding 14 meters. The conversion from azimuth to the nearest sixteenth compass direction was carried out by means of the following table:

Azimuth of wind Direction of wind

From—	From—
348¾ to 11¼ = S.	
11¼ to 33¾ = SSW.	
33¾ to 56¼ = SW.	
56¼ to 78¾ = WSW.	
78¾ to 101¼ = W.	
101¼ to 123¾ = WNW.	
123¾ to 146¼ = NW.	
146¼ to 168¾ = NNW.	
168¾ to 191¼ = N.	
191¼ to 213¾ = NNE.	
213¾ to 236¼ = NE.	
236¼ to 258¾ = ENE.	
258¾ to 281¼ = E.	
281¼ to 303¾ = ESE.	
303¾ to 326¼ = SE.	
326¼ to 348¾ = SSE.	
348¾ to 11¼ = S.	

The balloons used were of the same size and manufacture as those in use by the United States Weather Bureau, the rate of ascent being 180 meters per minute. Frosting of the theodolite lenses was prevented by the use of a heating device which is described briefly in the Introduction and also in the Monthly Weather Review for July 1936. The supply of hydrogen was contained in metal cylinders ordinarily used for the purpose. In 1934-35 the supply was quite adequate and ascents were made several times daily when practicable. During the dark season a small paper lantern containing a candle was suspended from the balloon.

The visibility is given in accordance with the scale given below.

Tables 28 and 29 contain the hourly values of pressure at Little America and Bolling Advance Base, respectively, as given by the barograph records after proper corrections have been applied. Table 28 includes the values on board ship in the Bay of Whales during January and part of February 1929. The values for Little America are reduced to sea level; those for the Advance Base are not. The daily mean pressure was obtained by dividing the sum of the hourly values by 24; the hourly mean for the month, by dividing the hourly sum by the number of days in the month. The mean pressure for the month is the sum of all the hourly values divided by the number of hours. Mean values for the other elements have been obtained in exactly the same fashion.

Tables 30, 31, and 32 contain, respectively, the hourly values of temperature on board the *City of New York*

in the Bay of Whales, at Little America, and at Bolling Advance Base. These values have been taken from the thermograph records after they were properly corrected by use of the dry and minimum thermometer readings, and also the maximum thermometer readings, when available.

Owing to possible influences resulting from close proximity to open water, it was considered advisable to give the values recorded on board ship in the Bay of Whales in a separate table, although the ship was only several miles from Little America.

Tables 33 and 34 contain the average velocity and prevailing wind direction for each hour at Little America and Bolling Advance Base, respectively. Table 33 includes the values on board ship in the Bay of Whales during January and part of February 1929. The prevailing hourly directions for 1929-30 were determined from numerous eye observations of a visual indicator located in the building, while those for 1934-35 were determined from wind-register records.

The prevailing direction for the hour is defined as that direction from which the wind blows for the longest time in each hour interval. The prevailing direction for the day is taken as the direction which occurs most frequently in the hourly values; the prevailing direction for the month is got by finding, from all the hourly values for the month, the direction of most frequent occurrence. The prevailing hourly direction given at the bottom of the tabulation for each month is the direction occurring most frequently in the column for the hour of the day. In cases where the maximum frequency is attained by more than one direction, all such directions are given.

All the wind velocities were recorded on wind registers by means of cup anemometers and the values in the table have been taken from these records and corrected according to the table of corrections given below, a 4-cup anemometer having been used on the first expedition and a 3-cup on the second. The maximum velocity for the day was obtained from the wind-register record by finding the velocity corresponding to the mile of wind recorded in the shortest time. The anemometers both at Little America and Bolling Advance Base were about 15 feet above the snow surface.

Tables 35 to 36 contain the hourly values of relative humidity. It was thought best to keep separate the values recorded on board ship in the Bay of Whales, and these are given in table 35. The values recorded at Little America are given in table 36. The relative humidity was recorded by means of the hair hygograph, which was adjusted when necessary when it was occasionally brought indoors and compared with the results of a wet- and dry-bulb hygrometer. No hygograph was used at Bolling Advance Base.

Table 37 contains the hourly values of cloudiness at Little America on the scale 0-10, where the units denote the number of tenths of sky covered. The tabulations for 1934-35 do not, as a rule, contain values throughout the 24-hour period, since it was difficult to get any one to make these observations during the night. When the hourly cloud amount was greater than 0, but less than 1, this has been indicated in the table by an "F," meaning few. The means have been carried out to the nearest 0.1. An "F" has been used for the daily mean when only "F" occurred in the hourly amounts and also when the daily mean was less than 0.1, but greater than 0.

Tables 38 and 39 contain the meteorological notes kept by H. T. Harrison on board ship in the Bay of Whales

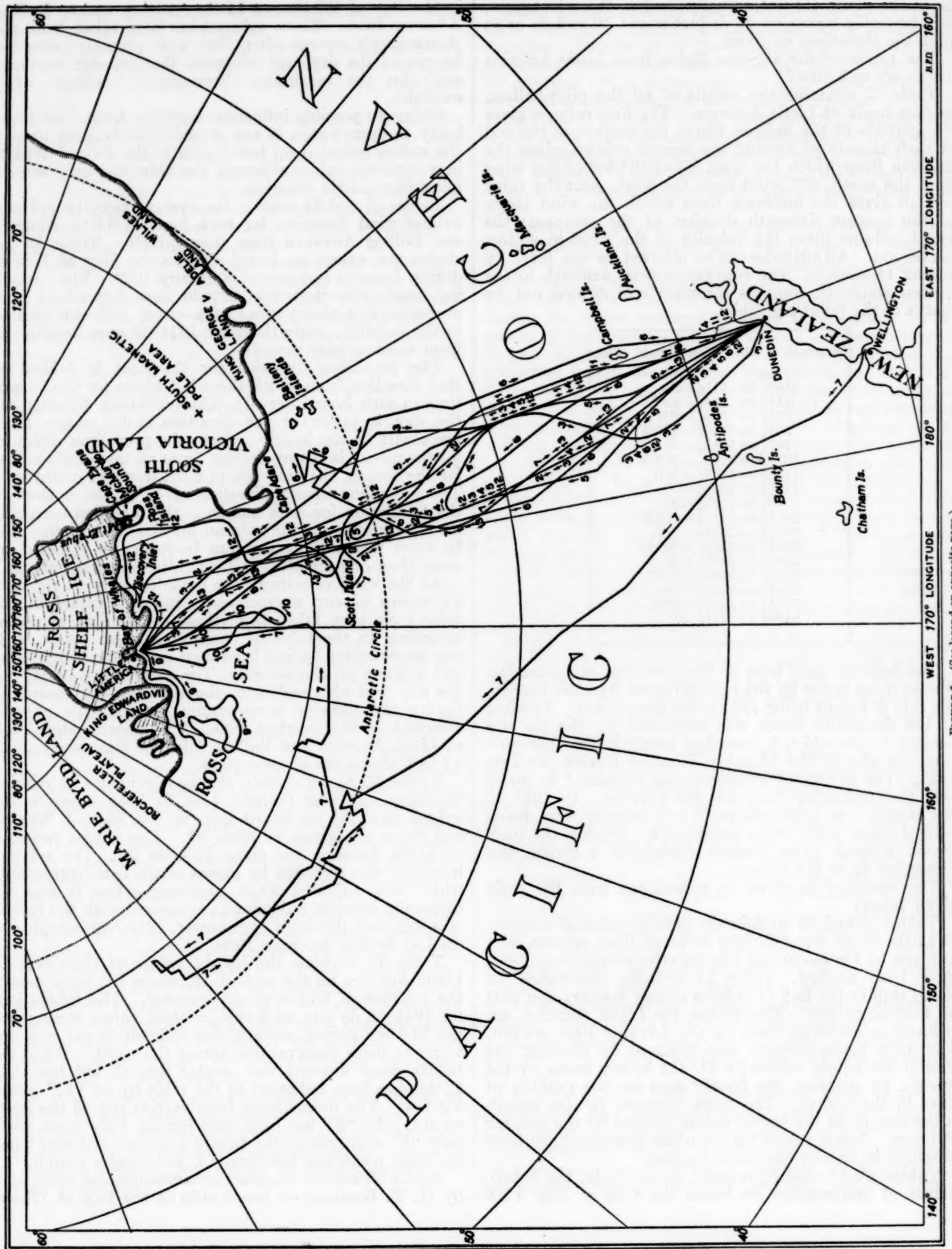


FIGURE 6.—(See legend on opposite page.)



FIGURE 6

Journeys of ships of the Byrd Antarctic Expeditions in Antarctic waters for which meteorological observations are available. The courses are indicated by the full lines and are numbered as follows:

1. Journey of the *City of New York* from Dunedin, New Zealand, to the Bay of Whales, December 2, 1928, to December 31, 1928. Table 1.
2. Journey of the *Eleanor Bolling* from lat. $68^{\circ}00'$ S., long. $179^{\circ}00'$ W., to Dunedin, New Zealand, December 12, 1928, to December 20, 1928. Table 2.
3. Journey of the *Eleanor Bolling* from Dunedin, New Zealand, to the Bay of Whales and return, January 14, 1929, to February 16, 1929. Table 3.
4. Journey of the *Eleanor Bolling* from Dunedin, New Zealand, to lat. $62^{\circ}54'$ S., long. $178^{\circ}30'$ E., and return, February 19, 1929, to March 6, 1929. Table 4.
5. Journey of the *Eleanor Bolling* from Dunedin, New Zealand, to lat. $67^{\circ}09'$ S., long. $179^{\circ}08'$ E., and return, January 20, 1930, to February 9, 1930. Table 5.
6. Journey of the *Eleanor Bolling* from Dunedin, New Zealand, to lat. $68^{\circ}40'$ S., long. $170^{\circ}25'$ E., and return, February 11, 1930, to March 10, 1930. Table 6.

7. Journey of the *Jacob Ruppert* from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, December 12, 1933, to February 18, 1934. Table 7.
8. Journey of the *Bear* from Dunedin, New Zealand, to the Bay of Whales, January 20, 1934, to January 31, 1934. Table 8.
9. Journey of the *Bear* from the Bay of Whales to the eastward and return, February 6, 1934, to February 15, 1934. Table 9.
10. Journey of the *Bear* from the Bay of Whales into the Ross Sea and return, February 19, 1934, to February 25, 1934. Table 10.
11. Journey of the *Bear* from the Bay of Whales to Dunedin, New Zealand, February 26, 1934, to March 12, 1934. Table 11.
12. Journey of the *Bear* from Dunedin, New Zealand, to the Bay of Whales and return, January 2, 1935, to February 20, 1935. Table 12.
13. Journey of the *Jacob Ruppert* from Dunedin, New Zealand, to the Bay of Whales, January 16, 1935, to January 28, 1935. Table 13.

FIGURE 7.—(See legend on opposite page.)

FIGURE 7

Routes of airplane flights from Little America on which aerometeorograph records were made and of trail parties which made meteorological observations. The airplane routes are given by the full lines and trail routes by the broken lines. The figures opposite the asterisks give the elevation of the surface above sea level in feet.

1. Spring southern journey to 100-Mile Depot, October 20, 1929, to October 28, 1929. Table 15.
2. Fall sledging journey to 155-Mile Depot, March 1, 1934, to March 31, 1934. Table 16.
3. Fall tractor journey to Bolling Advance Base, March 16, 1934, to March 29, 1934. Table 17.
4. The eastern tractor journey, September 27, 1934, to October 12, 1934. Table 18.
5. The journey to Marie Byrd Land, October 14, 1934, to December 25, 1934. Table 19.
6. The journey of the Queen Maud Geological Party, October 16, 1934, to January 11, 1935. Table 20.
7. The journey of the Rockefeller Plateau Party, October 16, 1934, to January 2, 1935. Table 21.
8. The flight to the South Pole, November 28-29, 1929. 17, table 26.
9. The eastern flight, December 5, 1929. 19, table 26.
10. The flight to the east and southeast, November 15, 1934. 38, table 26.
11. The flight southeastward to the tractors, November 16-17, 1934. 39, table 26.
12. The eastern mapping flight to the Rockefeller and Mount Grace McKinley, November 18, 1934. 40, table 26.
13. The southeastern flight, November 22, 1934. 41, table 26.
14. The flight southeastward to the tractors, November 23-24, 1934. 42, table 26.
15. The flight to the Rockefeller Mountains and 120-Mile Depot, December 8, 1934. 44, table 26.
16. The northeastern flight, December 15-16, 1934. 46, table 26.
17. The flight to the Rockefeller and Edsel Ford Mountains, December 31, 1934. 50, table 26.
18. Seismic sounding flight to Discovery Inlet and vicinity, January 6, 1935. 53, table 26.

and at Little America in 1929-30 and amplify to some extent the notes contained in the "Remarks" column of table 18.

ABBREVIATIONS

The following abbreviations have been used:

clear	=clr.
partly cloudy	=pt. cldy.
cloudy	=cldy.
light	=lt.
moderate	=mod.
heavy	=hvy.
dense	=dn.
very	=vy.
began	=B.
ended	=E.
Trace	=T.

during the a. m.=D. A., meaning between 0 and 8h, 180th meridian time.

during the p. m.=D. P., meaning between 20 and 24h, 180th meridian time.

VISIBILITY SCALE

Scale	Descriptive term	Limiting distances (meters)
0	Dense fog—prominent objects not visible at	50
1	Very bad—prominent objects not visible at	200
2	Bad—prominent objects not visible at	500
3	Very poor—prominent objects not visible at	1,000
4	Poor—prominent objects not visible at	2,000
5	Indifferent—prominent objects not visible at	4,000
6	Fair—prominent objects not visible at	10,000
7	Good—prominent objects not visible at	20,000
8	Very good—prominent objects not visible at	50,000
9	Excellent—prominent objects visible beyond	50,000

CORRECTIONS FOR INDICATED VELOCITIES

Corrections to be applied to wind velocities determined by anemometers. Correction to be added when the sign is plus and subtracted when the sign is minus.
Velocities indicated.

By 3-cup anemometer m. p. h.	By 4-cup anemometer m. p. h.	Correction in whole m. p. h.
1 to 16 ¹	1 to 8	+1
17 to 26	9 to 12	0
27 to 35	13 to 16	-1
36 to 44	17 to 20	-2
45 to 52	21 to 24	-3
53 to 61	25 to 28	-4
62 to 70	29 to 32	-5
71 to 79	33 to 36	-6
80 to 87	37 to 39	-7
88 to 96	40 to 43	-8
97 to 105	44 to 47	-9
106 to 114	48 to 51	-10
115 to 122	52 to 54	-11
123 to 132	55 to 58	-12
133 to 139	59 to 62	-13
140 to 149	63 to 65	-14
150 to 157	66 to 69	-15
158 to 166	70 to 73	-16
167 to 174	74 to 77	-17
175 to 184	78 to 80	-18
185 to 192	81 to 84	-19
193 to 200	85 to 88	-20
	89 to 91	-21
	92 to 95	-22
	96 to 99	-23
	100 to 103	-24
	104 to 106	-25
	107 to 110	-26
	111 to 114	-27
	115 to 117	-28
	118 to 121	-29
	122 to 125	-30
	126 to 128	-31
	129 to 132	-32
	133 to 136	-33
	137 to 140	-34
	141 to 143	-35

¹ Inconsequential variation from the rule for disposal of decimals disregarded at 3 and 4 miles per hour.

TABLE 1.—Meteorological observations on board the "City of New York" from Dunedin, New Zealand, to the Bay of Whales, Dec. 2-31, 1928

Date	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Clouds	Remarks
1928 Dec. 2	L. M. T.	° ' "	° ' "	Inches	° F.	From 0-12	0-10	From	
	6				55				Cleared the port of Dunedin, New Zealand.
2	13			30.03					
2	16			29.99					
2	20			29.98					
3	7			29.98					
3	10			29.93					
3	12	48 38	170 55 E						
3	14			29.83					
3	16			29.79					Steady lt. rain B. 17h and continued throughout evening.
3	20			29.72					
3	24			29.61					The mod. WSW wind during day changed to WNW in the evening and freshened.
4	4			29.56					Lt. rain falling. Sky overcast.
4	8			29.61					
4	12	51 18	171 18 E						Rain squall from 12:30h to 13h followed by steady clearing.
4	24			29.81	46.0	SSW 4	8	StCu SW	
5	4			29.83	45.0	SSW 4	7	StCu SW	Lt. rain.
5	8			29.89	46.0	SSW 3	7	StCu SW	
5	12	54 16	170 47 E	29.95	48.2	SW 3	8	StCu SW	
5	16			29.91	47.0	NW 3	9	8 CiSt (N?), 1 Cu NW	
5	20			29.93	43.5	NW 3	8	AST	
5	24			30.01	42.8	N 3	2	StCu	A dim twilight at 24h.
6	4			29.94	44.0	NNE 4	9	1 CiSt, 8 ACu SW	
6	8			29.93	43.2	N 3	9	5 AST, 4 ACu	
6	12	57 07	172 35 E	29.96	46.0	NNE 4	10	8 CiSt, 2 AST	22° solar halo.
6	16			29.87	44.8	NW 5	4	CiSt	
6	20			29.96	42.0	NW 4	7	CiSt	
6	24			29.86	42.8	N 6	10	St N	
7	4			29.76	43.0	N 6	9	5 CiSt, 3 AST (WSW?), 1 St N	
7	8			29.73	43.0	NNW 7	10	2AST, 8 St NNW	
7	12	59 53	174 17 E	29.71	43.0	NNW 7	10	St NNW	
7	16			29.69	42.0	NW 7	10	St NW	Lt. fog. Mist B. 15h and continued throughout most of evening.
7	20			29.75	39.0	NW 3	10	St NW	Lt. fog.
7	24			29.73	39.0	WNW 3	10	St NW	Lt. fog. Occasional lt. mist.
8	4			29.65	39.0	WNW 3	10	9 AST, 1 St NW	
8	8			29.68	37.0	WNW 2	9	AST	Lt. fog.
8	12	62 10	174 27 E	29.69	37.0	SW 3	9	9 StCu W, Few St WSW	Misting.
8	16			29.71	40.7	SW 2	6	StCu W	
8	20			29.65	35.5	W 3	10	St WSW	Lt. fog.
8	24			29.60	33.0	NW 3	10	Dn. fog.	Misting.
9	4			29.48	33.8	WNW 4	10	Dn. fog.	Lt. rain.
9	8			29.45	31.0	SW 5	10	St SW	Misting. Lt. fog.
9	12	64 43	175 00 E	29.46	30.0	NW 4	10	9 AST, 1 St NE	Misting.
9	16			29.45	31.4	NW 3	9	StCu NW	Lt. snow.
9	20			29.39	32.0	NW 5	9	StCu NW	
9	24			29.39	30.8	NW 4	9	7 StCu, 2 St NW	First icebergs sighted today.
10	4			29.37	30.2	NW 6	9	8 StCu, 1 St NW	
10	8			29.41	30.0	WNW 7	9	StCu (WNW?)	
10	12	66 39	179 20 E	29.40	31.8	NW 6	6	StCu WNW	
10	16			29.41	31.4	NW 5	3	1 Ci NW, 2 StCu NW	Faint 22° solar halo at 17h. Numerous icebergs.
10	20			29.38	31.0	NW 2	9	AST	Threatening. Lt. snow B. 20:30h.
10	24			29.23	29.8	NW 4	10	Nb NW	Lt. snow. Numerous icebergs. Crossed 180th mer. from E to W longitude, hence second day dated Dec. 10.
10	4			29.12	30.3	NW 3	10	Nb NW	Lt. snow.
10	8			28.97	28.5	NNW 4	10	StCu	Do.
10	12	68 11	179 00 W	28.91	31.3	SSW 3	9	StCu	Do.
10	16			29.12	27.8	SSW 6	10	StCu	Lt. snow; snowfall estimated at 3 inches. After sharp fall, barometer began rapid rise attended by wind shift to SSW.
10	20			29.32	25.0	SW 5	10	StCu SW	Clearing in evening.
10	24			29.46	24.5	SSW 3	1	StCu	
11	4			29.50	25.0	W 2	3	Cu WSW	
11	8			29.56	26.6	NW 3	9	StCu NW	

TABLE 1.—Meteorological observations on board the "City of New York" from Dunedin, New Zealand, to the Bay of Whales, Dec. 2-31, 1928—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Clouds	Remarks
1928	L. M. T.	° ' "	° ' "	Inches	° F.	From 0-12	0-10	From	
Dec. 11	12	68 00	179 00 W	29.57	29.2	NNW 3	10	StCu NW	Lt. snow.
11	16			29.60	29.0	ENE 3	10	StCu (NW?)	
11	20			29.66	28.0	ENE 3	10	StCu	
11	24			29.64	27.8	WNW 1	10	StCu NW	Lt. snow from 22h to 24h; fall estimated at ½ inch. Sun now continually above horizon.
12	4			29.63	27.8	NW 2	10	StCu NW	Lt. snow.
12	8			29.53	28.0	ENE 3	10	StCu	
12	12	68 00	179 00 W	29.45	30.0	W 3	10	Nb W	Do.
12	16			29.37	28.3	S 3	9	Few CiSt, 9 StCu SSW	
12	20			29.35	28.5	NE 3	10	St NE	Do.
12	24			29.20	24.5	WSW 3	10	StCu WSW	Do.
13	4			29.07	28.5	W 3	7	StCu W	
13	8			29.06	27.0	NW 2	9	StCu NW	
13	12	68 00	178 30 W	29.09	28.0	SW 4	8	St SW	
13	16			29.13	28.4	SW 6	9	StCu SW	Sleetings from 14:30h to 14:50h.
13	20			29.25	28.0	SW 4	10	StCu SW	
13	24			29.31	27.5	SSW 3	10	StCu SW	Occasional snow during day.
14	4			29.30	26.0	SW 3	9	StCu SW	
14	8			29.29	28.5	SW 3	7	StCu SW	
14	12	67 48	177 59 W	29.33	25.0	WSW 2	3	1 CiSt, 2 StCu NW	
14	16			29.27	28.4	WSW 2	9	5 CiSt (NW?), 3 ACu (NW?), 1 StCu SW	
14	20			29.25	28.0	ENE 2	10	8 CiSt, 2 Cu ENE	
14	24			29.13	25.4	NNE 3	10	3 CiSt, 6 Ast, 1 StCu ENE	
15	4			29.00	25.5	S 4	10	8 Ast, 2 StCu SSE	Started through ice pack at 2h, heading SW. Snow flurry at 3h.
15	8			28.91	24.5	SE 4	9	3 CiSt, 6 StCu SE	
15	12	68 19	179 50 W	29.05	25.4	S 3	10	7 CiSt, 3 StCu S	
15	16			29.13	27.2	SW 3	9	7 CiSt, 2 St Cu SSW	
15	20			29.10	28.0	SW 2	3	1 Ast, 2 StCu SW	
15	24			29.10	25.0	SW 2	5	3 Ci, 2 ACu	
17	4			29.05	25.9	0	1	Few Ci, 1 ACu, Few Cu	
17	8			28.97	30.0	SW 4	Few	Few CiSt, Few Cu SW	Crossed 180th mer. from W to E longitude; thus lose Dec. 16.
17	12	69 07	179 55 E	28.93	36.0	SSW 3	1	Cu SSW	
17	16			28.89	30.0	SSW 3	6	2 Ci, 2 ACu, 2 Cu SSW	
17	20			28.83	26.0	SW 3	3	ACu SW	
17	24			28.78	25.6	SW 3	10	Ast	Lt. snow.
18	4			28.74	24.4	SW 4	10	9 ACu (SW?), 1 StCu SW	
18	8			28.76	27.5	SW 4	10	St SW	Do.
18	12	69 50	179 46 E	28.79	31.5	SSW 4	10	7 ACu (?), 3 StCu SW	
18	16			28.76	30.8	SW 5	5	2 ACu (?), 3 Cu SW	
18	20			28.76	25.5	S 6	10	St S	Do.
18	24			28.79	24.8	SSW 3	6	6 Ci W (?), Few StCu SSW	Occasional hvy. snow; fall estimated at ½ inch.
19	4			28.79	25.7	SSW 3	7	6 Ci (WSW?), 1 ACu (?), Few StCu SSW	Lt. snow since 2h.
19	8			28.71	28.0	S 4	9	St S	Lt. snow.
19	12	70 25	180 00	28.59	29.8	SSW 3	10	Nb SSW	Hvy. snow.
19	16			28.54	25.7	SSW 5	10	6 Ast, 4 St SSW	Lt. snow.
19	20			28.56	24.5	S 3	2	1 Ast (?), 1 Cu S	
19	24			28.59	19.7	SSW 2	1	Few Ci, 1 St Cu SSW	
20	4			28.58	19.7	SW 1	10	9 CiSt, 1 Ast	22° solar halo since 3:50h.
20	8			28.58	28.0	SW 3	10	St SW	Lt. snow.
20	12	70 22	179 54 E	28.62	32.3	WSW 6	10	Nb WSW	Do.
20	16			28.63	31.6	WSW 4	10	St. WSW	Do.
20	20			28.61	29.0	SW 5	10	Nb SW	Snowing.
20	24			28.60	26.2	WSW 7	10	Nb WSW	Snowing; fall estimated at 1 inch.
21	4			28.58	28.6	WSW 3	10	Nb WSW	Lt. snow.
21	8			28.75	29.5	SSW 4	10	St SSW	Do.
21	12	70 25	179 38 E	28.89	29.3	SSE 3	10	StCu SSE	Threatening.
21	16			29.06	30.0	SSE 3	10	StCu SSE	Lt. snow.
21	20			29.21	28.0	SSE 6	10	St SSE	Snowfall estimated at 3 inches.
21	24			29.41	28.2	SSE 4	10	StCu (SSE?)	
22	4			29.53	27.6	SSE 4	10	StCu SSE	
22	8			29.58	30.0	SSW 3	10	Ast	
22	12	71 15	178 00 E	29.43	35.0	SW 3	9	StCu SW	
22	16			29.43	32.5	SW 4	5	StCu SW	
22	20			29.37	30.0	SW 2	9	StCu WSW	
22	24			29.38	28.0	NNE 2	10	StCu (0?)	

TABLE 1.—*Meteorological observations on board the "City of New York" from Dunedin, New Zealand, to the Bay of Whales, Dec. 2-31, 1928—Continued*

Date	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Clouds	Remarks
1928	L. M. T.	° ' "	° ' "	Inches	° F.	From 0-12	0-10	From	
Dec. 23	4			29.35	28.2	WSW 1	10	StCu (0?)	
23	8			29.39	32.0	SW 2	10	StCu S	
23	12	72 10	177 36 E	29.43	29.2	0	Few	StCu (?)	Passed out of ice pack into open Ross Sea at 11h.
23	16			29.43	29.3	SE 1	Few	StCu (?)	
23	24			29.57	28.7	ESE 4	3	3 Ci W, Few StCu (?)	
24	4			29.55	29.3	ESE 4	6	6 Ci W, Few StCu (?)	
24	8			29.51	30.0	SE 2	7	7 Ci NNW, Few Cu SE	
24	12	73 57	178 27 E	29.51	29.3	SE 3	3	1 Ci W, 2 ACu W, Few Cu SE	Tabular iceberg sighted at 14h.
24	16			29.55	30.0	SE 3	5	3 Ci W, 1 CiCu W, 1 Cu SE	
24	20			29.63	35.0	SSE 1	7	Few Ci (?) , 7 Cu S	
24	24			29.55	31.3	SSW 1	Few	StCu SSW	
25	4			29.52	32.2	W 1	9	StCu WSW	
25	8			29.51	36.0	SSW 1	9	9 ACu SSW, Few Cu	
25	12	75 35	178 21 E	29.48	37.0	WSW 1	5	4 ACu, 1 StCu	
25	16			29.45	32.8	0	9	7 ACu, 2 StCu	
25	20			29.43	33.0	0	8	8 StCu SSE, Few St SSE	
25	24			29.39	29.2	SSE 1	8	6 ACu (0?), 2 StCu (0?)	
25	4			29.36	31.3	0	9	St (0?)	Crossed 180th mer. from E to W longitude; thus second day dated Dec. 25.
25	12	77 30	178 20 W	29.41	32.8	0	4	3 ACu (0?), 1 Cu (0?)	
25	16			29.40		0	9	StCu 0	
25	20				33.0	ESE 2	8	StCu ESE	
25	24			29.38	29.8	0	10	StCu (0?)	Sighted ice barrier and sailed by it to the eastward in the evening.
26	4			29.37	28.8	SSW 3	10	StCu	
26	8			29.46	28.5	SSW 3	9	StCu SSW	
26	12	At Discovery Inlet		29.41	24.8	SSW 4	10	StCu (SSW?)	
26	16			29.37	29.0	WSW 2	1	Cu W	
26	20			29.37	26.0	SW 2	10	St SW	
26	24			29.39	20.9	WSW 4	Few	StCu	
27	4			29.29	21.6	SW 4	Few	StCu SW	A fine morning with bright sunlight.
27	12	78 22	168 40 W	29.37	24.5	S 5	10	StCu SSW	Lt. snow from 12:10h to 12:30h.
27	16			29.38	22.9	SSE 3	10	StCu S	
27	20			29.43	23.0	WSW 3	10	StCu WSW	
27	24			29.31	22.8	S 1	10	6 StCu, 4 St SW	Lt. snow.
28	4			29.29	24.4	S 2	10	StCu	Hvy. local snows prevailed to the W, N, and E from 0h to 3h.
28	8			29.37	27.5	SW 2	10	StCu S	
28	12	At Bay of Whales		29.49	31.9	S 1	10	StCu	Lt. snow.
28	16				24.4	S 1	10	AS	
28	20				23.0	SSW 2	9	StCu	
28	24				20.4	S 2	10	StCu	
29	4						9	StCu	
29	8				20.0	S 2	9	StCu	
29	12	At Bay of Whales			21.7	SSW 1	9	7 StCu SSW, 2 St SSW	
29	16				21.8	WSW 2	9	StCu WSW	
29	20				22.0	SSW 1	8	StCu 0	
29	24				26.3	0	10	StCu (0?)	
30	4				25.6	NNW 2	10	StCu NNW	Do.
30	8				26.0	ESE 1	10	StCu ESE	Do.
30	12	At Bay of Whales			27.0	E 2	10	StCu	Do.
30	16				27.6	E 2	10	StCu ENE	Do.
30	24				25.7	SE 2	8	StCu NNE	
31	4				27.6	ESE 3	9	8 ACu SSW, 1 StCu	
31	12	At Bay of Whales			25.0	S 3	1	StCu	
31	16				22.8	SSW 3	1	Few Ci WSW, 1 StCu	
31	20				22.6	SSW 2	7	StCu SSW	

TABLE 2.—*Meteorological observations on board the "Eleanor Bolling" from latitude 68°00' S., longitude 179° 00' W., to Dunedin, New Zealand, Dec. 12-20, 1928*

Date	Hour	Latitude S.	Longitude	Pressure, sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1928	L. M. T.	° ' "	° ' "	Inches	° F.	° F.	From 0-12		
Dec. 11	4	68 00	179 00 W	29.63	29	30	SW 2	Cldy	Alongside the City of New York.
11	12	68 07	179 02 W	29.61	36		W 3	do	Cast off from the City of New York at 11:30h.
11	16			29.69	32	30	NNW 2		
11	20			29.65	32	30	NW 4	Pt. Cldy	Mod. sea.
11	24			29.67	32	30	W 4	do	
13	4			29.61	33	30	NW 2	Cldy	Crossed 180th mer. from W to E longitude; hence lose Dec. 12.
13	8			29.60	37	30	N 2	do	
13	12	64 54	179 46 E	29.55	34	30	N 2	Pt. Cldy	Occasional lt. snow squalls. A few bergs in sight.
13	16			29.39	34	30	WNW 4	Cldy	
13	20			29.49	36	34	WNW 5-6	do	Sea rough.
13	24			29.45	36	34	WNW 7	do	Hvy. rain squalls. Sea high.
14	4			29.49	33	32	WNW 7	do	Hvy. sea.
14	8			29.55	37	34	WNW 7	do	
14	12	61 57	178 19 E	29.60	39	35	WNW	do	Hvy. rain squalls; high sea.
14	16			29.63	39	32	WNW 4	do	Continued rain squalls and high sea.
14	20			29.53	39	37	NW 5	do	Raining; rough sea.
14	24			29.57	39	37	NW 4	do	Occasional rain. Sea moderating.
15	4			29.59	40	38	W 5	do	Intermittent rain squalls.
15	8			29.59	43	41	WNW 5	do	Rain squalls.
15	12	58 50	176 42 E	29.57	44	45	NW 5	do	Heavy sea.
15	16			29.53	44	41	W 6	do	Occasional rain.
15	20			29.47	44	42	WNW 6	do	Do.
15	24			29.55	46	44	WNW 7-8	do	Vy. high sea.
16	4			29.54	46	43	WNW 7	do	High sea.
16	8			29.59	46	43	WNW 7	do	
16	12	56 28	175 46 E	29.63	44	43	WNW 7	do	Occasional hvy. rain. High sea.
16	16			29.69	44	43	WNW 5	do	
16	20			29.73	44	43	W 6	do	Hvy. sea.
16	24				44	44	W 6	do	Sea moderating.
17	4			29.90	44	44	W 5	do	
17	8			29.91	45	44	W 5	do	Sea rough.
17	12	53 25	175 00 E	29.81	45	44	W 5	Pt. Cldy	
17	16			29.81	48	44	W 5	do	
17	20			29.79	48	45	WNW 5	Cldy	Hvy. sea.
17	24			29.78	48	48	WNW 4	do	
18	4			29.88	48	48	W 5	do	
18	8			29.79	48	48	WNW 5	do	Do.
18	12	50 15	174 02 E	29.73	52	49	W 5	do	
18	16			29.63	56	49	NW 6	do	
18	20			29.59	55	49	NW 5	Pt. Cldy	Rough sea.
18	24			29.53	53	50	NW 5	Cldy	Occasional rain.
19	4			29.53	52	54	NW 3	do	Do.
19	8			29.41	56	54	NW 3	Pt. Cldy	
19	12	47 21	172 02 E	29.41	59	59	NW 3	Chr.	
19	16			29.41	58	59	NW 2-1	Pt. Cldy	
19	20			29.47	58	59	WSW 2	Cldy	Lt. rain.
19	24			29.47	59	59	SW 3	do	Smooth sea.
20	4			29.55	54	54	S 2	do	
20	7:45								Docked at Dunedin.

TABLE 3.—Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand to the Bay of Whales and return, Jan. 14 to Feb. 16, 1929

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1929	L. M. T.	° ' "	° ' "	Inches	° F.	° F.	From 0-12		
Jan. 14	20			29.51	62		NE 3	Cldy	Left Dunedin at 15:50h.
14	24			29.57	61		S 4	do	Occasional rain. Hvy. sea.
15	4			29.67	61	55	SW 3	do	Sea mod.
15	8			29.77	64	55	SW 2	Clr	
15	12	47 52	172 12 E	29.80	64	55	SW 2	do	
15	16			29.85	60	54	NW 2	do	
15	20			29.89	56	54	NW 3	do	
15	24			29.91	56	54	NW 2	do	
16	4			29.93	56	52	NW 3	Pt. Cldy	
16	8			30.01	60	52	NNW 3	do	
16	12	51 10	174 12 E	30.03	60	52	N 3	do	Hvy. sea.
16	16			30.01	58	49	NW 3	do	
16	20			30.01	55	48	NNW 4	do	
16	24			29.99	54	48	NNW 4	do	Do.
17	4			29.99	52	47	NNW 4	do	
17	8			29.89	56	48	N 5	Clr	
17	12	54 22	176 04 E	29.84	55	47	N 5-6	Pt. Cldy	Sea high and rough.
17	16			29.79	58	47	NW 5	Cldy	Raining.
17	20			29.73	52	47	NNW 5	do	Raining; sea high.
17	24			29.69	52	47	NNW 5	do	Raining.
18	4			29.61	50	46	NW 3	do	Raining; sea high.
18	8			29.55	50	45	NW 3	Dn. Fog	
18	12	57 34	177 29 E	29.39	49	45	NW 3	do	Sea moderating.
18	16			29.03	49	46	N 5	Cldy	Raining; lt. fog.
18	20			28.75	48	44	NNW 5-6	do	
18	24			28.41	47	42	NNW 7-8	do	Sea high.
19	4			28.35	45	42	W 5	do	
19	8						SW 8		
19	12	60 05	178 48 E	28.85	42	40	SW 8	do	Sea high.
19	16			29.09	41	41	S 8	do	
19	20			29.19	40	40	S 6	do	Sea continues high. Several large bergs sighted at approx. position 60°43' S; 178°53' W.
19	24			29.29	40	38	S 6	do	Occasional lt. snow squalls.
20	4			29.39	38	38	SSE 2	do	Sea high.
20	8			29.39	40	38	SE 2	do	
20	12	62 25	178 53 E	29.45	42	37	SSE 2	do	Sighted two icebergs.
20	16			29.53	42	33	SSE 1	do	
20	20			29.55	39	32	SSE 1	do	
20	24			29.53	38	32	W 1	do	Several bergs sighted.
21	4			29.55	38	32	W 2	do	
21	8			29.50	38	33	W 2	do	
21	12	65 27	178 43 E	29.43	38	33	W 2	do	
21	16			29.51	41	32	SW 2	do	Many bergs in sight all day.
21	20			29.53	40	32	SW 2	do	
21	24			29.51	36	31	SW 2	do	Numerous bergs in sight.
22	4			29.57	40	30	SSE 1	Pt. Cldy	
22	8			29.57	38	30	SSW 1	do	Sighted ice pack at 6:30h. Approx. position 67°50' S; 176°04' E.
22	12	68 38	177 50 E	29.51	36	28	SW 1	do	Entered pack at 7h. Sea calm.
22	16			29.59	40	28	SE 1	do	Many icebergs in sight.
22	20			29.57	36	28	SSW 2	Cldy	Reentered pack ice, position 69°19' S; 177°12' E.
22	24			29.63	34	28	SSE 2	Clr	In pack ice; sea calm.
23	4			29.65	34	28	SE 2	do	Working through pack ice.
23	8			29.61	36	28	S 4	do	
23	12	70 27	179 49 E	29.63	36	28	S 2	Pt. Cldy	Maneuvering in pack ice since 0h.
23	16			29.61	38	28	S 2	do	
23	20			29.59	34	24	S 2	Cldy	
23	24			29.61	33	28	S 2	do	Continuing to force passage through solid pack ice.
23	4			29.59	36	28	S 1	Pt. Cldy	Crossing 180th mer. from E to W longitude, hence second day dated Jan. 23.
23	8			29.60	36	28	S 2	do	
23	12	72 39	179 49 W	29.61	43	28	S 1	Clr	Continued maneuvering in pack ice.
23	16			29.61	36	28	S 1	do	
23	20			29.59	34	28	S 1	Pt. Cldy	
23	24			29.51	33	28	S 2	do	On various courses through pack ice.
24	4			29.47	32	28	S 3	do	Clear of pack ice.
24	8			29.47	32	28	S 3	Cldy	Passed the <i>Sir James Ross</i> at lat. 74°11' S; long. 179°48' W at 7:45h.
24	12	74 31	179 42 W	29.49	32	28	S 3	do	Alongside the <i>C. A. Larsen</i> from 9:25h to 11h.

TABLE 3.—Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand to the Bay of Whales and return, Jan. 14 to Feb. 16, 1929—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1929	L. M. T.	" "	" "	Inches	°F.	°F.	From 0-12		
Jan. 24	16			29.39	32	28	NW 4	Cldy	Occasional lt. snow squalls.
24	20			29.35	32	28	NNW 6	do	Hvy. snow squalls. Sea rough. Vis. poor.
24	24			29.33	32	28	W 5	do	Hvy. snow squalls. Vis. vy. poor. Following the C. A. Larsen.
25	4			29.31	32	28	NW 3	do	Hvy. snow squalls. Sea rough.
25	8			29.29	32	30	NW 3	do	Hvy. snow squalls. Mod. sea.
25	12	74 00	180 00 W	29.17	36	30	WNW 3	do	Alongside the C. A. Larsen since 10:35h loading stores.
25	16			29.11	39	30	WNW 2	do	Hvy. snow squalls.
25	20			29.19	38	30	NW 2	do	Cast off from the C. A. Larsen at 17:50h. In hvy. pack ice.
25	24			29.19	38	30	N 2	Pt. Cldy	In hvy. pack ice. Sea smooth.
26	4			29.17	34	29	W 1	do	
26	8			29.14	37	29	WSW 3	do	On various courses to avoid ice.
26	12	76 07	176 05 W	29.19	33	28	W 3	do	Steaming through ice floes.
26	16			29.24	38	28	W 2	do	Maneuvering in pack ice.
26	20			29.27	37	28	W 2	Clr	
26	24			29.30	29	27	W 2	do	Clear of pack ice at 22:20h. Lat. 77°10' S; long. 172°58' W.
27	4			29.29	30	29	W 2	do	A few bergs in sight.
27	8			29.26	30	28	SW 5	Pt. Cldy	Passed several bergs and fields of pack ice.
27	12	77 51	164 17 W	29.31	33	28	S 4	Clr	Much ice and bergs.
27	16			29.35	29	28	S 2	do	Arrived in the Bay of Whales and moored to the City of New York at 17:35.
Feb. 2	16			29.19			E 2	do	Left Bay of Whales 12:40h. Numerous bergs in sight.
2	20			29.22	28	30	E 3	do	Many bergs in sight.
2	24			29.35	26	28	SE 2	do	Sea smooth.
3	4			29.37	26	29	SW 3	do	In open water; many bergs in sight.
3	8			29.39	27	28	SW 4	Cldy	Few bergs.
3	12	77 07	175 50 W	29.47	26	28	SW 4	do	
3	16			29.51	24	28	SW 4	Pt. Cldy	A few bergs in sight.
3	20			29.54	31	29	S 4	Clr	
3	24			29.63	29	29	SW 3	Pt. Cldy	Numerous bergs in sight.
4	4			29.63	31	29	NW 2	Clr	A few bergs in sight. Snow squalls from 2h to 3h.
4	8			29.61	36	30	NNW 3	Cldy	No ice in sight.
4	12	73 53	179 28 W	29.53	32	30	NNW 4	do	Occasional snow squalls.
4	24			29.47	32	30	NW 3	Pt. Cldy	Alongside the C. A. Larsen from 3:35h to 20:50h at lat. 73°00' S; long. 179°00' E.
6	4			29.39	30	30	SE 3	Clr	No ice in sight.
6	8			29.35	31	30	SSW 3	Cldy	Horizon hazy. A few bergs in sight.
6	12	71 00	177 46 E	29.19	33	30	SSE 3	do	Steaming through pack ice. Crossed 180th mer. from W to E longitude, thus lose Feb. 5, 1929.
6	14			29.12	34	32	E 4	do	Hvy. sea.
6	20			28.93	30	30	E 5	do	Lt. snow squalls.
6	24			28.95	30	30	SE 4	do	Numerous small bergs in sight. Sea high.
7	4			28.96	29	30	S 5	do	A few bergs sighted. Hvy. sea.
7	8			29.04	30	31	S 4	Pt. Cldy	Mod. sea. Few bergs in sight.
7	12	68 25	171 25 E	29.11	30	30	S 5	do	Sea high. Numerous bergs in sight.
7	16			29.03	32	31	S 2	Clr	Mod. sea.
7	20			28.99	31	31	S 2	do	
7	24			29.03	31	31	S 3	Pt. Cldy	Numerous bergs in sight since noon. No pack ice sighted.
8	4			28.87	32	31	ENE 5	Cldy	Many bergs sighted since 0h.
8	8			28.83	32	31	E 5	do	Lt. snow squalls.
8	12	65 12	168 51 E	28.87	32	31	E 5-6	do	Occasional snow squalls. Hvy. sea.
8	16			28.93	32	34	ESE 5	do	Frequent snow squalls.
8	20			29.11	32	33	E 4	do	Occasional lt. snow.
8	24			29.19	32	33	SE 5	do	Occasional snow squalls.
9	4			29.23	32	33	S 5	do	Sea rough.
9	8			29.41	34	34	S 5	Pt. Cldy	Hvy. sea.
9	12	61 53	171 09 E	29.45	34	35	S 5	Cldy	
9	16			29.59	34	36	SSW 5	do	
9	20			29.65	39	41	SSW 5	do	High sea.
9	24			29.69	39	41	SSW 4	do	
10	4			29.66	40	44	WSW 2	do	Mod. sea.
10	8			29.67	42	44	WSW 2	do	
10	12	58 40	171 01 E	29.51	43	44	N 6	do	

¹In Bay of Whales until Feb. 2, 1929.

TABLE 3.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand to the Bay of Whales and return, Jan. 14 to Feb. 16, 1929—Continued*

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1929	L. M. T.	° ' "	° ' "	Inches	° F.	° F.	From 0-12		
Jan. 10	16			29.45	44	46	NNW 5	Cldy	Sea rough.
10	20			29.53	48	44		do	Mod. sea.
10	24			29.55	48	44	SW 3	do	
11	4			29.45	47	45	W 5	do	
11	8			29.35	48	44	W 4	do	Mod. sea.
11	12	56 07	172 48 E	29.39	48	45	W 5	Pt. Cldy	
11	16			29.47	52	46	SW 6	do	Hvy. sea.
11	20			29.53	49	47	SW 8	do	
11	24			29.71	59	47	SW 8	Cldy	Do.
12	4			29.77	48	47	WNW 6	do	
12	8			29.73	48	46	WNW 7	do	
12	12	53 25	176 20 E	29.69	50	47	WNW 8	do	
12	16			29.69	51	47	WNW 7	do	Sea high.
12	20			29.79	48	48	WNW 6	do	Occasional rain.
12	24			29.83	49	48	WNW 6	do	Do.
13	4			29.91	46	47	W 6	Clr	
13	8			29.95	48	49	W 5	Cldy	Mod. sea.
13	12	50 56	175 25 E	29.87	48	49	W 5	do	
13	16			29.78	50	49	WNW 5	do	Sea rough.
13	20			29.64	51	48	WNW 4	do	
13	24			29.53	51	48	NW 8	do	Vy. hvy. sea.
14	4			29.43	50	48	NW 8	do	Occasional hard wind and rain squalls.
14	8			29.43	50	49	WNW 8	do	High and rough sea.
14	12	49 02	174 10 E	29.51	50	49	WNW 8	Pt. Cldy	Occasional rain squalls.
14	16			29.51	49	51	WNW 9	do	Hvy. sea.
14	20			29.61	49		W 9	do	Vy. high sea.
14	24			29.73	49		W 9	Cldy	Rain squalls. Vy. high and rough sea.
15	4			29.79	49		W 8	do	Sea continues high and rough.
15	8			29.91	50		WNW 7	Pt. Cldy	
15	12	47 08	173 27 E	29.92	50		WNW 7	Clr	Gale moderating; sea still high and rough.
15	16			29.90	50		WNW 7	Cldy	
15	20			29.93	51		W 6	do	Hvy. sea.
15	24			29.93	51		WNW 6	do	
16	4			29.87	50		W 4	Clr	Sea moderating.
16	8			29.85	50		W 4	do	Mod. sea.
16	14	Dunedin Harbor		29.73	50		SW 4	do	Docked at Dunedin, 14h.

TABLE 4.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 62°54' S., longitude 178°30' E., and return, Feb. 19 to Mar. 6, 1929*

Date	Hour	Latitude S.	Longitude	Pressure, sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1929	L. M. T.	° ' "	° ' "	Inches	° F.	° F.	From 0-12		
Feb. 19	14			30.11			S 6	Pt. Cldy	Left Dunedin, 13h.
19	16			30.13			S 5	do	Hvy. sea.
19	20			30.16	54		S 4	do	
19	24			30.19	54		S 4	do	Do.
20	4			30.13	52		S 3	Cldy	
20	8			30.15	56		S 3	do	
20	12	47 45	171 16 E	30.13	59		S 3	Pt. Cldy	Do.
20	16			30.08	54		SW 5	Cldy	
20	20			30.04	53		SW 5	do	Occasional rain.
20	24			30.11	50		SW 6	do	
21	4			30.09	50		SSW 3	do	Mod. sea.
21	8			30.04	52		SW 3	do	
21	12	50 28	172 32 E	29.99	51		SW 5	do	
21	16			29.79	53		SW 5	do	Hvy. sea.
21	20			29.75	53		SSW	do	
21	24			29.71	50		SW	do	Misting.
22	4			29.76	48		SW 6	do	High sea.
22	8			29.79	46		SW 7	do	
22	12	52 14	173 27 E	29.87	49		SW 7	do	Hvy. sea.
22	16			29.86	49		SW 5	Clr	Mod. sea.
22	20			29.90	48		SW 3	do	
22	24			29.92	46		E 2	Pt. Cldy	
23	4			29.71	46		N 4	do	
23	8			29.51	44		NE 5	Cldy	Hvy. rain squalls.
23	12	55 17	174 49 E	29.31	41		NE 6	do	Occasional rain.
23	16			29.17	49	46	NW 5	do	Occasional rain; high sea.

TABLE 4.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 62°54' S., longitude 178°30' E., and return, Feb. 19 to Mar. 6, 1929—Continued*

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1929	L. M. T.	° ' "	° ' "	Inches	° F.	° F.	From 0-12		
Feb. 23	20			29.11	48	44	NW	5	Cldy
23	24			29.05	48	44	NW	5	do
24	8			28.94		41	NW	3	Pt. Cldy
24	12	57 24	176 57 E	28.84		41	NW	2	do
24	16			28.77	48	42	SW	2	do
24	20			28.71	48	41	SW	2	Cldy
24	24			28.70	45	41		3	Pt. Cldy
25	4			28.65	44	41	NW	3	do
25	8			28.69	44	43	W	3	Cldy
25	12	60 25	178 17 E	28.70	48	41	SW	3	Pt. Cldy
25	16			28.83	47	41	SW	4	Cldy
25	20			28.90	42	40	SW	4	do
25	24			28.93	39	39	SE	6	do
26	4			28.99	39	39	S	8	do
26	8			29.12	39	37	S	8	do
26	12	62 54	178 30 E	29.40	39	39	S	8	do
26	16			29.47	39	39	S	4	do
26	20			29.51	35	39	S	4	Pt. Cldy
26	24			29.61	36	40	SE	3	Clr
27	4			29.63	39	41	NE	3	do
27	8			29.59	41	41	N	3	Pt. Cldy
27	12	60 03	176 36 E	29.59	40	41	N	5	Cldy
27	16			29.49	43		N	6	do
27	20			29.35	45	41	N	5	do
27	24			29.22	45	46	N	6	do
28	4			28.93			N	7	do
28	8			28.87	44	44	N	6	do
28	12	58 40	172 08 E	28.89	46	40	N	5	Pt. Cldy
28	16			28.82	42		NW	5	do
28	20			28.87	43		NW	6	Cldy
28	24			28.90	43		NW	7	do
Mar. 1	4			28.91	43		NW	8	do
1	8			28.92	45		NW	8	do
1	12	56 47	172 01 E	28.99	45		NW	8	do
1	16			29.25	46		NW	7	do
1	20			29.33	46		NW	7	do
1	24			29.42	47		NW	7	do
2	4			29.62	47		WNW	7	do
2	8			29.69	48		WNW	6	do
2	12	54 12	174 13 E	29.81	51		WNW	6	do
2	16			29.81	52		WNW	5	Pt. Cldy
2	20			29.79	54		WNW	5	Cldy
2	24			29.77	54		NW	6	do
3	4			29.75	54		WNW	7	do
3	8			29.68	51		W	7	do
3	12	52 21	172 39 E	29.66	51		W	5	do
3	16			29.49	48		NW	7	do
3	20			29.52	48			6	do
3	24			29.57	49		W	5	do
4	4			29.69	49		SW	5	do
4	8			29.81	56		SW	4	Pt. Cldy
4	12	49 54	171 37 E	29.81	56		SW	5	do
4	16			29.87	58		SW	4	Clr
4	20			29.91	59		SW	4	Cldy
4	24			29.96	59		SW	3	Clr
5	4			29.81	50		N	5	Cldy
5	8			29.63	51		N	6	do
5	12	47 36	169 30 E	29.49	51		N	8	do
5	16			29.43	53		N	8	do
5	20			29.49	52		N	6	do
5	24			29.52	53		NW	4	Clr
6	4			29.49	54		N	3	Pt. Cldy
6	8			29.53	55		N	3	Cldy
6	4:30								Misting. Arrived Dunedin.

TABLE 5.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 67°09' S., longitude 179°08' E. and return, Jan. 20 to Feb. 9, 1930*

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1930	L. M. T.	" "	" "	Inches	° F.	° F.	From 0-12		
Jan. 20	16			29.27			W 4	Cldy	Occasional rain. Left Dunedin 11:40h.
20	20			29.24			W 3	do	Rain squalls.
20	24			29.26			S 2	do	Lt. rain.
21	4			29.25			NW 3	Clr	
21	8			29.32			W 4	do	
21	12	48 26	172 19 E	29.35			W 4	do	
21	16			29.35			W 4	Pt. Cldy	Occasional hvy. rain.
21	20			29.41			SW 4	do	
21	24			29.41			S 3	Clr	
22	4			29.42			SW 3	do	
22	8			29.52			SW 3	do	
22	12	49 46	174 09 E	29.59			SW 2	do	
22	16			29.59			SW 2	do	
22	20						SW 3	Pt. Cldy	
22	24			29.38			W 4	Cldy	Occasional lt. rain.
23	4			29.21			WNW 6	do	Hvy. sea.
23	8			29.24			W 6	do	
23	12	52 07	175 00 E	29.30			W 6	do	
23	16			29.31			W 6	do	
23	20			29.37	51	47	WNW 5	do	
23	24			29.40			NW 6	do	Do.
24	4			29.41	50	44	W 6	do	Occasional hvy. rain.
24	8			29.42	55	43	W 6	do	Hvy. sea.
24	12	54 08	176 29 E	29.57	56	43	W 4	Clr	
24	16			29.63	50	44	W 4	do	Haze.
24	20			29.75	55	44	W 3	do	
24	24			29.74	56	44	W 3	Pt. Cldy	
25	4			29.74	45	43	W 3	Clr	Sea moderating.
25	8			29.75	50	42	W 3	do	
25	12	56 29	177 50 E	29.74	53	42	W 2	do	
25	16			29.69	51	43	W 2	Pt. Cldy	
25	20			29.61	48	42	1	Cldy	
25	24			29.37	45	40	N 1	do	Raining.
26	4			29.26	46	41	W 3	do	
26	8			29.24	47	41	W 2	do	
26	12	59 15	178-04 E	29.26	46	41	NW 2	do	Occasional rain.
26	16			29.27	46	38	WSW 3	Pt. Cldy	Rain squalls.
26	20			29.35	43	38	W 3	Cldy	Occasional hvy. rain.
26	24			29.43	43	38	W 2	do	Lt. rain.
27	4			29.53	45	37	W 2	Pt. Cldy	Vy. smooth sea.
27	8			29.63	47	38	W 2	do	
27	12	61 57	178-37 E	29.68	50	38	W 2	Cldy	Lt. fog.
27	16			29.73	45.5	38	S 2	do	
27	20			29.77	40	35	S 2	do	
27	24			29.73	38	36	NE 1	do	
28	4			29.64	39	34	NE 3	do	
28	8			29.54	40	32	ENE 3	do	Occasional rain. First ice sighted at 5h.
28	12	64 37	178-19 E	29.35	45	34	WNW 2	do	Occasional rain.
28	16			29.31	40	32	NW 3	do	Several bergs in sight.
28	20			29.33	47	31	NE 3	do	
28	24			29.25	44	32	NW 2	do	One small berg sighted.
29	4			29.21	43	29	NW 3	do	Several bergs and growlers sighted.
29	8			29.19	47	29	N 3	do	Smooth sea.
29	12	67 42	178-17 E	29.31	42	28	S 1	do	
29	16			29.11	32	28	S 1	Pt. Cldy	Alongside the City of New York from 14h to 16h at lat. 67°39' S., long. 178°21' E.
29	20			29.14	38	28	S 2	do	Entered pack ice at 19:05h.
29	24			29.27	39	27	S 1	do	
30	4			29.46			W 3	Clr	Smooth sea.
30	10			29.57	31	29	S 2	do	Vy. little ice in sight.
30	12	67 15	179 17 E	29.51	59	31	S 1	do	
30	16			29.53	55	31	SE 1	do	
30	18	67°24'30"	179°54'30" W	29.51	55	31	SE 1	do	Off Scott Island.
30	24			29.47	40	30	SE 1	do	
31	4			29.45	33	29	NW 3	Cldy	Numerous bergs in sight.
31	8			29.40	38	29	NW 2	do	No ice in sight.
31	12	67 30	179 08 E	29.31	38	30	N 2	do	Snow squalls. Vessel hove to.
31	16			29.19	39	30	NW 2	do	
31	20			29.19	35	30	NW 3	do	
31	23:30	67 09	179 08 E	29.13	34	30	N 3	do	Lt. fog. Received orders to return to Dunedin.

TABLE 5.—Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 67°09' S., longitude 179°08' E. and return, Jan. 20 to Feb. 9, 1930—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1930	L. M. T.	° ' "	° ' "	Inches	° F.	° F.	From 0-12		
Feb. 1	4			29.20	34	29	NW 5	Cldy	High sea.
1	8			29.21	40	30	NW 4	do	Occasional snow squalls.
1	12	66 25	177 34 E	29.15	42	30	NNW 3	do	Snow squalls.
1	16			29.11	38	30	NW 3	do	Mod. sea.
1	20			29.01	36	30	W 2	do	Many icebergs in sight.
1	24			28.86	38	30	NNE	do	Occasional snow squalls.
2	4			28.79	41	30	NE 3	do	
2	8			28.77	44	30	E 3	do	
2	12	65 05	175 11 E	28.81	46	30	E 2	do	Do.
2	16			28.87	43	32	E	Pt. Cldy	
2	20			28.95	41	32	E	Cldy	
2	24			28.99	37	32	E 2	do	Some ice in sight.
3	4			29.05	42	31	E 2	do	Occasional lt. snow.
3	8			29.13	41	32	E 2	do	
3	12	63 12	171 09 E	29.16	42	33	SE 2	do	
3	16			29.13	43	33	NW 2	do	
3	20			29.19	41		NW 1	do	
3	24			29.19	37			do	
4	4			29.19	40		W 3	do	
4	8			29.26	42		W 2	do	
4	12	60 18	172 36 E	29.21	42		NNW 2	Pt. Cldy	
4	16			29.27	44		NNW 2	do	
4	20			29.29	43		W 2	do	
4	24			29.30	41		W 3	Cldy	
5	4			29.40	42		WNW 4	Pt. Cldy	
5	8			29.58	44		W 3	Cldy	
5	12	57 17	171 41 E	29.64	49		W 3	Pt. Cldy	
5	16			29.79	47		W 3	do	Occasional rain.
5	20			29.79	46		W 3	do	
5	24			29.81	42		NW 4	Cldy	
6	4			29.81	48		NW 5	do	
6	8			29.85	47		NW 5	do	Hvy. sea.
6	12	54 24	172 30 E	29.91	49	44	NW 3	Pt. Cldy	
6	16			29.85	50.5		NNW 5	Cldy	Occasional rain. Hvy. sea.
6	20			29.71	50		N 6	do	Rain squalls. Vy. hvy. sea.
6	24			29.69	52		N 6	do	Occasional rain.
7	4			29.77	50		N 6	do	
7	8			29.82	50		N 6	do	Hvy. sea.
7	12	52 04	172 25 E				W 5	do	
7	16			30.13	55		WNW 4	Clr	Sea moderating.
7	20			30.16	51		WNW 3	Cldy	
7	24			30.17	52		NNW 3	Pt. Cldy	Mod. sea.
8	4			30.11	52		NNW 3	do	
8	8			30.09	54		NNW 3	Clr	
8	12	49 12	171 26 E	30.09			N 2	Cldy	
8	16			30.12			W 3	Clr	
8	20			30.10	51		W 3	Cldy	Haze on horizon.
8	24			30.17	51		W 4	Pt. Cldy	
9	4			30.25	51		WSW 4	Cldy	
9	8			30.37	52		WSW 3	do	
9	12	45 53	170 52 E	30.43	55		W 2	do	Docked at Dunedin 15:55h.

TABLE 6.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 68°40' S., longitude 170°25' E., and return, Feb. 11 to Mar. 10, 1930*

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1930	L. M. T.	° ' "	° ' "	Inches	° F.	° F.	From 0-12		
Feb. 11	24			30.19	60		N 1		Left Dunedin 23:45h.
12	4			30.17	50		E 1	Clr	
12	8			30.17	52		E	do	
12	12	47 00	171 44 E	30.09	58		NE 2	do	
12	16			30.03	58		NE 3	do	
12	20			29.99	57		NE 3	do	
12	24			29.91	58		NNE 2	do	
13	4			29.91	55		NW 3	Cldy	
13	8			29.87	55		NW 3	do	
13	12	49 49	173 41 E	29.83	57		NNW 2	do	Occasional rain.
13	16			29.79	48		WSW 2	do	
13	20			29.85	51		W 2	Pt. Cldy	
13	24			29.82	55	48	W 2	do	
14	4			29.83	50	44	W 4	do	Hvy. sea.
14	8			29.97	51	43	W 6	do	
14	12	52 32	174 45 E	29.97	55	44	W 5	Clr	
14	16			30.01	50	44	W 5	do	
14	20			30.07	50	43	SW 6		Vy. hvy. sea.
14	24			30.05	50	43	SW 5	Cldy	
15	4			30.03	49	44	W 3	Pt. Cldy	Sea moderating.
15	8			30.01	51	43	NW 3	Cldy	
15	12	55 14	176 45 E	29.93	56	43	NW 3	Pt. Cldy	
15	16			29.89	54		N 3	do	
15	20			29.71	51	41	N 4	Cldy	
15	24			29.59	51	41	N 4	do	Occasional rain.
16	4			29.51	48	41	N 3	do	
16	8			29.47	47	41	NW 4	do	Lt. fog.
16	12	58 10	178 44 E	29.43	49	40	NW 3	do	Do.
16	16			29.41	44	38	NW 3-4	do	
16	20			29.31	43	38	NW 4	do	
16	24			29.29	43	38	W 5	do	Hvy. sea.
17	4			29.24	40	38	SW 5	do	Hvy. rain squalls.
17	8			29.20	42	39	NW 5		
17	12	60 42	178 00 E	29.19	43		W 6	Cldy	Vy. hvy. sea.
17	16				40	38	W 6-7	do	Vy. hvy. rain and snow squalls. Vy. high sea.
17	20				40		W 6-7	do	Barometer loosened from fastenings.
17	24				38		W 6-7	do	Vy. high sea.
18	4				40	37	SW 7	do	
18	8			29.47	40	34	SW 6	do	Continued high sea.
18	12	62 17	177 00 E	29.25		35	SW 3	Pt. Cldy	Moderating sea.
18	16			29.04	39	34	N 3	do	Passed 1 iceberg.
18	20			28.75	37	33	NW 4	do	
18	24			28.41	38	32	E 5	Cldy	Snow squalls; mod. sea.
19	4			28.31	38	32	NW 3	do	Passed 1 berg at 2h.
19	8			28.31	36	33	W		
19	12	65 24	177 17 E	28.25	36	31.5	SSE 4	Pt. Cldy	
19	16			28.31	38	32	E 6-7	Cldy	Vis. vy. poor; vy. high sea.
19	20			28.35	38	31	E 9	do	Ship hove to; wind and sea vy. high.
19	24			28.75	38	31	SE 7	do	1 berg in sight.
20	4			28.91	38	31	SE 7	do	High sea.
20	8			29.01	32	31	SE 6		
20	12	66 42	177 03 E	29.13	34	31	SSE 4	Cldy	Sea moderating; several bergs in sight.
20	16			29.19	34	30	SSE 3	do	Numerous bergs in sight.
20	20			29.29	30	29	SE 3	Clr	Ice pack sighted.
20	24			29.25	36		SE 1		Ship stopped; entered ice pack at 21h.
21	4			29.26	30.5		SE 3	Clr	In pack ice.
21	8			29.23	32	28	SE 2	do	Smooth sea.
21	12	68 00	174 00 E	29.21	30	28			
21	16			29.41	36	28	SE 3	Cldy	In heavy pack ice; poor vis.
21	20			28.97	37	28	SE 3	do	Snowing. Outside of pack.
21	24			28.95	38	29	SE 2	do	Occasional snow squalls. Outside of pack; some scattered ice.
22	4			28.91	35	29	SE 2	do	Smooth sea. Numerous bergs and growlers in sight.
22	8			28.87	38	29	SE 2	do	Occasional lt. snow.
22	12	68 41	171 00 E	28.90	39	29	SE 2	do	Skirting edge of pack ice.
22	16			28.85	38		S 3	do	Smooth sea.
22	20			28.91	36		S 3	Clr	Alongside the C. A. Larsen. Position 68°30' S., 170°00' E.
22	24			29.03	34		S 2	Cldy	Occasional snow. Some scattered ice.
23	4			29.06	33		S 4		Smooth sea; vy. little ice. Lying to near the C. A. Larsen awaiting rendezvous with the City of New York.

TABLE 6.—Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 68°40' S., longitude 170°25' E. and return, Feb. 11 to Mar. 10, 1930—Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1930	L. M. T.	" "	" "	Inches	°F.	°F.	From 0-12		
Feb. 23	8			29.14	32		S	3	
23	12	68 30	170 00 E	29.19	35		SE	2	Cldy
23	16			29. 3	37		SE	2	do
23	20						SE	2	do
23	24			29.21	36	29	SE	2	do
24	4			29.11	40		S	2	do
24	8			29.07	41	30	S	1	Clr
24	12	68 30	169 30 E	29.03	36		S	1	
24	16			28.91	36		SE	2	Cldy
24	20			28.87	36	28	SE	1	do
24	24			28.91	34	29	SE	1	do
25	4			28.85	30		S	4	do
25	8			28.87	33	27	S	3	do
25	12	68 00	169 09 E	28.91	35	27	S	2	do
25	16			28.95	29	27	S	4	do
25	20			28.94	29	27	SE	5	do
25	24			28.94	31	28	S	4	do
26	4			28.97	23	27	W	5	do
26	8			28.91	29	27	NE	3	do
26	12	68 38	168 30 E	28.89	30	27	E		Cldy
26	16			28.89	32	27	NE	5	Pt. Cldy
26	19			28.91	30	27	NE	4	
26	24			29.09	28	28	NE	3	
27	4			29.07	28	27	NE	4	Pt. Cldy
27	8			29.05	31	27	NNE	3	Cldy
27	12	68 40	170 25 E	29.11	34	27	NNE	2	Occasional lt. snow.
27	16			29.11	31	27	NNE	2	Cldy
27	20			29.15	29	27	E	1	Clr
27	24			29.21	33	28	E	1	Pt. Cldy
28	4			29.11	29	27	NE	3	Cldy
28	8			29.09	29	27	NE	3	
28	12	68 40	170 15 E	28.97	30	27	NNE	3	Alongside the City of New York since 6:35h.
28	20			28.77	30	27	ENE	3	
28	24			28.71	33	28	ENE	2	Cldy
Mar. 1	4			28.51	32	28			Occasional lt. snow.
1	8			28.41	32	28	NE		Lying to outside of the pack.
1	12	68 46	167 35 E	28.41	32	28	NE	3	Enroute to Dunedin.
1	16			28.57	30	28	NNE	4	Occasional snow squalls. Pancake ice forming about ship.
1	20			28.51	30	28	NNE	4	do
1	24			28.61	30	29	NNE	3	Clr
2	4			28.57	30	29	NNE	3	Cldy
2	8			28.59	30	30	NNE	3	Occasional lt. snow.
2	12	66 44	171 30 E	28.61	37	30	NNE	2	do
2	16			28.59	31	30	NW	3	Pt. Cldy
2	20			28.64	32	30	N	3	do
2	24			28.71	33	30	W	1	Clr
3	4			28.85	32		SW	3	Pt. Cldy
3	8			29.05	31		SW	3	Cldy
3	12	65 16	167 37 E	29.23	33		S	4	Do.
3	16			29.39	34		S	4	Occasional snow squalls.
3	20			29.43	33		S	3	Clr
3	24			29.43	33		S	3	do
4	4			29.41	33		WSW	5	Pt. Cldy
4	8			29.39	28		W	5	Occasional lt. snow.
4	12	62 05	168 12 E	29.50	30		WSW	3	Occasional snow squalls.
4	16			29.51			WSW	3	do
4	20			29.41	31		W	2	Numerous small bergs in sight.
4	24			29.31	37		WSW	1	Many bergs in sight.
5	4			29.18	34		ESE	3	do
5	8			29.11	38		S	3	Cldy
5	12	58 47	168 29 E	29.31			S	3	Clr
5	16			29.47	39		S	3	Pt. Cldy
5	20			29.61	38		S	2	Cldy
5	24			29.59	37		S	3	Clr
6	4			29.79	38		S	4	Cldy
6	8			29.89	39		S	4	do
6	12	55 28	168 18 E	29.87	43		S	3	Clr
6	16			29.90	44		W	4	Cldy
6	20			29.99	40		W	3	do
6	24			30.01	40		W	3	Clr

TABLE 6.—*Meteorological observations on board the "Eleanor Bolling" from Dunedin, New Zealand, to latitude 68°40' S., longitude 170°25' E., and return, Feb. 11 to Mar. 10, 1930—Continued*

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1930	L. M. T.	° ' "	° ' "	Inches	° F.	° F.	From 0-12		
Feb. 7	4			29.99	39		NW 4	Cldy	
7	8			30.01	48		NW 2	do	
7	12	52 54	167 56 E	29.96	48		NW 3	do	Occasional rain.
7	16			29.89	48		NW 5	do	
7	20			29.88	47		NNW 6	do	Hvy. sea.
7	24			29.80	46		NW 6	do	
8	4			29.76	46		NW 8	do	Occasional hvy. squalls. Rough sea.
8	8			29.73	46		NNW 8	do	
8	12	50 53	169 26 E	29.63	51		NW 7	Pt. Cldy	
8	16			29.58	50		NW 7	do	
8	20				48		NNW 5	Cldy	
8	24			29.37	47		NNW 5	do	
9	4			29.50	47		W 4	Pt. Cldy	
9	8			29.61	49		W 3	Clr	
9	12	48 36	170 58 E	29.73	50		W 3	Pt. Cldy	Mod. sea.
9	16			29.82	53		W 4	Clr	
9	20			29.88	52		W 3	Pt. Cldy	
9	24			29.89	51		W 4	do	
10	4			29.91	51		NNW 4	do	
10	8			29.93	53		NNW 3	Clr	
10	12	Dunedin Harbor		29.91	53		SW 3	Cldy	Accompanying the <i>City of New York</i> into Dunedin. Docked at Dunedin, 13:50h.

TABLE 7.—*Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb. 18, 1934*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temper- ature	Wind	Cloudiness	Remarks
1933	L. M. T.	° ' "	° ' "	Inches	° F.	From 0-12		
Dec. 12	10	41 29	174 53 E					Left Wellington at 7:52h.
12	12	41 45	175 06 E	30.21	65	E 3		
12	16			30.18	64	E 2	Cldy	
12	20			30.12	54	NNE 2	do	Slight haze.
12	24			30.16	56	NNE 2	do	
13	4			30.15	54	ESE 1	do	
13	8			30.16	56		Dn. Fog	Dn. fog since 7:15h.
13	12	45 05	177 43 E	30.16	55		Cldy	Misting; sea smooth.
13	16			30.15	54		do	
13	20			30.12	52		do	
13	24			30.10	50		do	Misting; sea smooth.
14	4						do	Lt. fog.
14	8			30.06	49	N 1	do	Do.
14	12	48 25	179 03 E	30.00	53	NNW 1	do	Do.
14	16			29.93	53	NNW 3	do	Do.
14	20			29.81	48	WSW 4	do	Do.
14	24			29.72	48	SW 4	do	Do.
14	4			29.63	47	SW 3	do	Lt. rain from 1:30h to 2h. Crossed 180th mer. from E to W longitude; hence, second day dated Dec. 14.
14	8			29.59	48	WSW 4	do	Do
14	12	51 42	176 15 W	29.62	48	S 3	do	Sea moderate; weather variable.
14	16			29.60	48	SSW 3	do	Occasional haze.
14	20			29.55	44	SSW 4	do	
14	24			29.64	44	SSW 5	do	Occasional rain.
15	4			29.68	40	SE 3	Pt. Cldy	
15	8			29.74	44	SE 2	Cldy	
15	12	55 01	172 27 W	29.84	49	SE 1	do	Vis. good.
15	16			29.78	44	NW 1	do	
15	20			29.67	41	NNW 1	do	
15	24			29.54	40	NNW 3	do	Occasional lt. rain.
16	4			29.39	42	NNW 4	do	Haze. Sea rough.
16	8			29.23	40	NW 4	do	Lt. fog.
16	12	58 06	168 41 W	29.10	42	NW 3	do	Do.
16	16			28.92	40	NW 4	do	Fog E. 15h.
16	20			28.77	38	W 5	Pt. Cldy	
16	24			28.79	36	W 4	Clr	Sea moderate.
17	4			28.61	36	W 5	Cldy	Occasional graupel; sea rough.
17	8			28.27	32	NW 8	do	Occasional hvy. snow; sea high.
17	12	60 20	164 36 W	28.37	33	W 8	do	
17	16			28.62	33	W 8	do	
17	20			28.71	34	W 7	do	

TABLE 7.—Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb. 18, 1934—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1933	L. M. T.	° ' "	° ' "	Inches	° F	From 0-12		
Dec. 17	24			28.81	32	W 4	Cldy	Occasional lt. snow; sea moderating.
18	4			28.82	32	W 5	do	Occasional lt. snow; sea moderate.
18	8			28.84	32	W 3	do	
18	12	61 29	162 06 W	28.90	31	SW 5	do	
18	16			28.93	33	SW 4	do	
18	20			28.90	32	SW 2	Pt. Cldy	61°32' S—159°15' W at 19:39h.
18	24			28.96	30	SW 3	Clr	Clear; good vis.
19	4			28.90	30	SW 2	do	Numerous icebergs and growlers sighted since 1:25h.
19	8			28.79	31	NNE 2	do	Passing through field of icebergs and growlers.
19	12	63 30	155 16 W	28.81	33	NNE 3	Cldy	Many bergs and growlers; 63°10' S—155°48' W at 9:40h.
19	16			28.75	34	NNE 3	Pt. Cldy	On various courses to avoid icebergs and growlers.
19	20			28.79	32	NE 1	do	
19	24			28.89	29	E 3	Clr	Passing numerous icebergs and growlers. Ice blink on southern horizon.
20	4			28.97	29	E 1	Pt. Cldy	
20	8			28.99	31	E 1	do	Steaming through loose field of pancake ice; sea smooth. 56°55' S—151°10' W at 6:30h.
20	12	66 30	149 02 W	29.07	30	SE 3	Clr	Many icebergs in sight.
20	16			29.09	32	SSW 2		Edging through drift ice.
20	20			29.10	28	SW 1		67°09' S—148°00' W at 18h.
20	24			29.11	27	SW 2		Ship drifting.
21	4			29.12	27	SW 1	Pt. Cldy	Plane launched over side; sea smooth; ship hove to.
21	8			29.08	31	SW 1	do	
21	12	66 31	149 45 W					Plane Condor took off at 11h.
21	16			29.13	39	SW 1		Condor landed and alongside at 15:25h.
21	20			29.10	34	SW 1	Clr	Fine and clear; sea smooth.
21	24			29.16	29	SW 1	Pt. Cldy	Passing through drift ice; many icebergs sighted.
22	4			29.14	28		Clr	In drift ice.
22	8			29.19	32		do	Passing through thick floe ice. Sea smooth.
22	12	66 31	148 00 W	29.21	38	E 1	Pt. Cldy	
22	16			29.20	36	E 2	Clr	
22	20	65 51	147 20 W	29.14	33	E 2	Pt. Cldy	Forcing way through pack ice.
22	24			29.02	30	ENE 6	Cldy	Occasional snow. Moderate sea. Drift ice and bergs.
23	4			29.04	30	ENE 6	do	Occasional snow and graupel; some bergs and growlers sighted.
23	8			29.02	30	ENE 5	do	Sea increasing; many bergs sighted.
23	12	66 20	143 58 W	29.04	32	ENE 5	do	Moderate sea; numerous bergs and growlers.
23	16			29.06	33	ENE 1	Dn. Fog	Ship stopped and drifting.
23	20			29.02	32	NE 1	do	In Devil's Graveyard.
23	24			28.92	32	SE 1	do	Occasional lt. snow. Ship drifting; small bergs and growlers in sight.
24	4			28.90	30	SE 1	Cldy	Lt. fog.
24	8			28.88	30	SE 1	do	Hvy. snow. Ship drifting.
24	12	66 15	143 00 W	28.99	30	SSW 3	do	
24	16			29.02	30	SW 5	do	Occasional haze. On course from 14:40h. Sea high and rough.
24	20			29.22	30	SW 3	do	
24	24			29.31	30	SW 2	Dn. Fog	Ship stopped and drifting.
25	4			29.37	29	NNW 2	do	
25	8			29.25	30	NNE 2	Cldy	Fog cleared and ship under way at 6:15h. Occasional mist and sleet.
25	12	66 30	141 20 W	29.20	31	NNE 1	do	Lt. fog.
25	16			29.21	32	NNE 3	do	Pack ice sighted.
25	20			29.13	30	NNW 3	Dn. Fog	Ship hove to; many icebergs nearby.
25	24			29.04	32	NNW 5	Cldy	Lt. fog.
26	4			29.01	33	NNW 7-8	do	Lt. fog; sea rough; large field of pack ice sighted; many bergs.
26	8			29.01	33	NNW 7	do	
26	12	66 18	140 23 W	29.00	32	NNW 6	do	Various courses avoiding bergs and growlers.
26	16			29.10	33	NW 8	do	
26	20			29.21	32	NW 8	do	
26	24			29.29	33	NW 6	do	Passing numerous bergs and growlers.
27	4			29.33	32	NW 5-6	do	
27	8			29.41	32	NW 4	do	
27	12	66 01	139 10 W	29.50	33	WNW 5	do	Many bergs and growlers in sight. 65°50' S—139°31' W at 5h.
27	16			29.70	32	WSW 4	Pt. Cldy	Passing numerous bergs and growlers. Sea rough.

TABLE 7.—Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb. 18, 1934—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1933	L. M. T.	°	'	Inches	° F.	From 0-12	Pt. Cldy	
Dec. 27	20			29.77	30	WSW 3	Pt. Cldy	Many large and small bergs sighted.
27	24			29.86	30	WSW 2	do	
28	4			29.86	30	WSW 3	Cldy	
28	8			29.81	32	WSW 3	do	Only a few bergs in sight.
28	12	67 30	133 10 W	29.74	34	W 1	do	Many bergs and growlers sighted.
28	16			29.71	36	SW 1	do	Occasional lt. snow; few bergs and growlers.
28	20			29.63	32	SW 1	do	On various courses along edge of ice pack.
28	24			29.61	28	WSW 2	Pt. Cldy	Passing many ice floes; few large bergs.
29	4			29.53	28	SW 2	do	Pack ice and growlers.
29	8			29.45	29	SW 3	do	Maneuvering in pack ice.
29	12	68 42	124 40 W	29.37	29	WSW 5	Cldy	Continued maneuvering in pack ice.
29	16			29.31	31	WSW 3	Pt. Cldy	Forcing passage through pack ice.
29	20			29.29	36	WSW 3	Clr	In open water. Mirage.
29	24			29.24	28	SW 2	Pt. Cldy	Passing numerous floes and bergs.
30	4			29.20	28	WSW 1	do	Slowly forcing way through field of pack ice.
30	8			29.12	32	SW 1	Cldy	Proceeding along edge of field of pack ice.
30	12	69 12	116 42 W	29.00	32	NW 1	do	Occasional lt. snow. Ship hove to.
30	16			28.87	32	N 2	do	Snowing.
30	20			28.77	29	NW 1	do	Snowing until 22h. Ship drifting.
30	24			28.71	28	NW 1	do	
31	4			28.64	28	NNW 1	do	Occasional lt. snow and lt. fog.
31	8			28.59	33		do	Snowing.
31	12	69 12	116 42 W	28.55	36	SE 1	do	Forcing passage through thick ice floes.
31	16			28.57	32	SE 1	do	Continuing passage through floes.
31	20			28.61	30	SE 2	do	Maneuvering in pack ice.
31	24			28.65	29	SSE 4	do	Occasional lt. snow.
1934								
Jan. 1	4			28.72	28	SSE 3	do	Slowly forcing way through pack ice.
1	8			28.79	28	S 2	do	On various courses conforming to ice.
1	12	69 57	116 35 W	28.82	28	S 3	Pt. Cldy	Working through heavy ice floes.
1	16			28.84	32	SSW 3	do	In heavy pack ice; position 70°03' S—116° 35' W at 15h.
1	20			28.78	27	SSW 3		Ship stopped in open water.
1	24			28.80	24	SW 3		Plane launched over side at 22:15h.
2	4			28.73	24	SW 4	Cldy	Occasional lt. snow. Ship hove to.
2	8			28.72	26	SW 3	do	Frequent snow squalls.
2	13			28.72	31	SW 3	do	Position 69°57' S—116°35' W at 12h.
2	16			28.72	31	SW 3	do	Ship drifting.
2	20			28.72	28	SW 2	do	Drifting in open water near ice floes.
2	24			28.68	28	SW 2	do	
3	4			28.62	28	SW 2	do	Drifting in open water. Plane moored to side.
3	8			28.58	28	WSW 1	do	Floe ice around ship.
3	12			28.58	29	WNW 1	do	Lt. snow. Plane took off at 11:22h from 69°57' S—116°35' W.
3	16			28.68	36		Pt. Cldy	Plane returned and landed at 14:31h.
3	20			28.68	30	SSE 1		
3	24			28.69	30	S 2		
4	4			28.72	29	S 2	Cldy	Continuous lt. snow.
4	8			28.75	30	SSE 2	do	Occasional lt. snow. Drifting in pack ice.
4	12	69 25	116 40 W	28.81	32	SE 3	do	Drifting in open lane.
4	16			28.89	30	SSE 3	do	Proceeding on Northerly course conforming with ice conditions.
4	20			28.94	30	SSE 2	do	Steaming through pack ice.
4	24	67 36	120 34 W	29.02	29	SSW 2	do	Drifting in pack.
5	4			29.07	26	SSW 2	Clr	Pushing through pack ice.
5	8			29.09	28	SSW 1-2	Cldy	Passing through open pack.
5	12	68 32	117 05 W	29.07	30	SW 1	do	In open pack.
5	16			29.07	29	W 4	do	Lt. snow.
5	20			29.05	29	WSW 1	do	Pack thinning out.
5	24			29.07	29	WSW 4	do	Occasional snow squalls.
6	4			29.15	29	WSW 6	do	Occasional lt. snow. Out of pack; bergs and growlers sighted.
6	8			29.25	30	WSW 5		Proceeding at full speed in open water on westerly course.
6	12	67 21	124 29 W	29.32	33	WNW 3	Pt. Cldy	
6	16			29.31	33	NNW 1	Cldy	Occasional lt. mist and snow.
6	20			29.17	30	NNE 2	do	Occasional snow squalls; many bergs and some pack ice.
6	24			29.08	30	NW 2	do	Occasional lt. snow; passing icebergs and field of pack ice.
7	4			29.13	30	NW 2	do	Lt. fog.
7	8			29.09	31	WNW 3	do	Do.

TABLE 7.—Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb 18, 1934—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1934	L. M. T.	° ' "	° ' "	Inches	° F.	From 0-12		
Jan. 7	12	67 21	130 31 W	29.07	32	NW 3	Dn. Fog	Growlers and icebergs.
7	16			29.11	32	NW 3		Fog lifted at 16h.
7	20			29.11	31	W 1	Cldy	Snowing since 19:50h.
7	24			29.19	28	SSW 2	do	Occasional lt. snow. In open water. Many bergs and growlers.
8	4			29.24	27	SSW 1	do	
8	8			29.26	29			Various courses to clear pack ice and icebergs.
8	12	67 15	138 36 W	29.26	30	N 1	Cldy	Many bergs, growlers, and flocs in sight.
8	16			29.28	32	NW 3	do	In Devil's Graveyard; many bergs in sight.
8	20			29.16	31	NW 3	Dn. Fog	
8	24			29.12	30	NNW 4	Cldy	Fog cleared at 21:10h.
9	4			29.00	30	NW 4	do	On various courses to avoid ice.
9	8			28.88	31	NW 2-1	do	
9	12	67 06	146 04 W	28.83	32	NW 3	do	Lt. snow.
9	16			28.76	35	WSW 2	Dn. Fog	
9	20	67 36	148 43 W	28.76	33	SW 2	Cldy	Occasional snow squalls.
9	24			28.94	29	SSW 5	do	Numerous icebergs and growlers in sight all day.
10	4			29.02	28	SSW 7	Cldy	Frequent snow squalls. Course due S.
10	8			29.09	29	SSW 7	do	Maneuvering in ice flocs and bergs.
10	12	69 02	152 21 W	29.17	31	SSW 6	do	Sea rough.
10	16			29.26	34	SW 6	Clr	Ice blink on southern horizon.
10	20			29.32	30	SW 5-4	do	Arrived at edge of pack; ship stopped.
10	24			29.36	26	SW 2	Pt. Cldy	69°50' S—152°21' W at 19:30h.
11	4			29.36	27	SW 2	Clr	Drifting in open lane; plane lowered over side at 22h.
11	8			29.39	26	SW 1	do	Plane took off at 3:32h.
11	12	70 02	152 20 W	29.32	34		do	Plane returned and landed at 7:05h.
11	16			29.16	32	NE 3	Pt. Cldy	Ship stopped and drifting in open lane.
11	20			28.96	26	NE 3-4	Cldy	Under way since 13:40h.
11	24			28.88	26	NE 6	do	Hvy. snow from 18h to 23:55h.
12	4			28.91	29	W 5	do	Much ice and many bergs and growlers sighted.
12	8			28.89	31	NW 4	do	Lt. haze; sea moderate.
12	12	69 00	155 05 W	28.93	31	WSW 3	do	Occasional lt. snow. Maneuvering to avoid ice.
12	16			29.15	31	WSW 4	do	Lt. snow.
12	20			29.19	29.7	W 4	do	Passing many bergs and growlers; some pack ice.
12	24			29.27	30	WSW 3	do	
13	4			29.34	29		do	Occasional snow squalls. Numerous bergs and growlers sighted all day.
13	8			29.27	30	E 1	do	Lt. snow; lt. fog. Small flocs, bergs, and growlers.
13	12	69 26	162 14 W	29.20	30	E 1	do	Misting. Maneuvering in close pack.
13	16			29.24	30	SE 1	do	Maneuvering to avoid flocs and bergs.
13	20			29.37	29	SE 2	Pt. Cldy	
13	24			29.46	30	WSW 1	do	Many large icebergs.
14	4			29.51	30	WNW 4	Cldy	In open water; only few bergs in sight.
14	8	69 20	167 47 W	29.53	30	WNW 2	Pt. Cldy	69°08' S—163°17' W at 21h.
14	12	69 41	169 08 W	29.52	32	WNW 4	Cldy	Dn. fog from 1:43h to 2:20h. No ice sighted.
14	16			29.54	30	WNW 3	do	2 bergs sighted.
14	20	70 46	170 27 W	29.51	31	WNW 2	do	No ice in sight.
14	24			29.47	30		do	Occasional lt. snow.
15	4			29.44	30	N 1	do	No ice sighted since 12h.
15	8			29.38	31	NNE 1	do	Occasional lt. snow.
15	12	73 11	169 48 W	29.32	31	E 3	do	
15	16			29.22	30	ESE 4	do	Lt. snow. No ice sighted.
15	20			29.12	28	ESE 4	do	Hvy. snow.
15	24			28.98	28	ENE 6	do	Occasional hvy. snow squalls.
16	4			28.91	28	ESE 6	do	Hvy. snow. Ship drifting. No ice sighted.
16	8			28.93	29	SSE 4	do	Hvy. snow.
16	12	76 50	169 30 W	29.03	31	SSW 4	Pt. Cldy	Occasional hvy. snow squalls.
16	16			29.11	31	SW 5	do	
16	20			29.17	28	SW 5	Cldy	A few small bergs.
16	24			29.22	24	WSW 5	do	Sea rough.
17	4			29.25	20	SW 5	Pt. Cldy	No ice sighted. Sea moderate.
17	8			29.36	16	SSE 2	Clr	Sea rough; no ice sighted.
17	12	In Bay of Whales		29.36	14	SSW 2	do	Ross Ice Barrier visible at 6:15h.
17	15			29.34	20	SW 2	do	
18	2			29.34	2	SW 2	do	Ship moored to Bay ice at 23:30h.
18	4			29.38	5	SSW 2	do	Unloading ship.
18	8				11	SE 2	do	

TABLE 7.—*Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb. 18, 1934—Continued*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temper- ature	Wind	Cloudiness	Remarks
1934	L. M. T.			Inches	° F.	From 0-18		
Jan. 18	16			29.45	19	SSE 1	Clr.	
18	21			29.48		ESE 1	do.	
18	23			29.48	10	ESE 1	do.	
19	17			29.32	22	WSW 2	do.	
19	20			29.26	9	WSW 2	do.	
20	2			29.16	4	SW 5	do.	
20	5			29.11	8	SW 3	do.	
20	9			29.15	22	S 1	do.	
20	18			29.16	16	SW 3	do.	
20	20			29.15	10	SW 3	do.	Clear during afternoon and night.
20	24			29.15	3	SW 3	do.	Sun dogs observed at intervals during shower of ice crystals.
21	4			29.16	3	SW 2	do.	Min. Temp. Minus 1.
21	8			29.16	6	WSW 3	do.	
21	10			29.15	10	WSW 4	do.	
21	16			29.16	17	WSW 2	do.	
21	19			29.16	17	WSW 1	do.	
21	23			29.00	4	ESE 4	Pt. Cldy.	Hvy. sea smoke over Bay.
22	4			29.01	10	SE 5	Clr.	Maneuvering in Bay.
22	8			29.12	16	ESE 4	do.	
22	11			29.13	20	SSE 2	do.	
22	18			29.15	24	WSW 1	do.	Moored to Bay ice.
22	24			29.16	2	WSW 1	do.	
23	1			29.16	0	WSW 1	do.	Unloading ship.
23	6			29.16	8	WSW 1	do.	
23	15			29.15	16	WSW 1	Pt. Cldy.	
23	16			29.16	13	WSW 2	Cldy.	
23	23			29.16	10	WNW 1	Pt. Cldy.	High ACu and ASst during afternoon and night.
24	2			29.15	12	E 1	Cldy.	Hvy. snow.
24	4			29.15	16	ESE 2	do.	Sea rough.
24	9			28.01	21	ENE 3	do.	Cruising in the Bay.
24	12			29.07	26	ENE 2	Pt. Cldy.	Occasional hvy. snow squalls.
24	16			29.11	27	NE 2	do.	Sea moderate.
24	20			29.19	25	ENE 3	do.	
24	24			29.19	20	ESE 4	do.	Cruising in the Bay. Large floes drifting in Bay.
25	4	In Bay of Whales		29.19	20	ESE 4	do.	Occasionally hvy. snow squalls. Sea choppy.
25	8			29.21	18	ESE 4	do.	
25	12			29.23	22	ESE 4	do.	Maneuvering in Bay.
25	16			29.17	22	ESE 4	do.	
25	20			29.15	16	ESE 4	do.	Cloudiness varied from 4 to 8 tenths.
25	24			29.13	15	ESE 4	do.	Sea choppy.
26	4			29.14	16	ESE 3	do.	Cruising in Bay.
26	7			29.18	20	ESE 3	do.	
26	8			29.16	19	S 2	do.	
26	12			29.10	22	S 1	do.	
26	15			29.06	30	SW 1	do.	Moored to Bay ice.
27	4			29.04	14	WSW 1	do.	Maneuvering in Bay.
27	8			29.08	20	WSW 2	do.	
27	11			29.09	28	WSW 2	Cldy.	
27	16			29.07	22	WSW 3	do.	
27	20			29.15	17	WSW 3	do.	
27	24			29.19	14	WSW 2	do.	Ship drifting in Bay.
28	4			29.25	14	WSW 3	do.	Lt. snow.
28	8			29.36	16	WSW 2	Pt. Cldy.	Much ice in Bay.
28	12			29.39	19	WNW 2	do.	Cruising in Bay.
28	16			29.40	19.5	WNW 1	do.	
28	20			29.40	19		Cldy.	Sea smoke forming along edge of Bay ice.
28	24			29.43	16	WSW 1		
29	4			29.45	12		Dn. Fog.	Pancake ice forming in Bay.
29	7			29.41	19	NW 1	Pt. Cldy.	Fog E. 6:20h.
29	12			29.37	25	WNW 1	do.	
29	14			29.34	28	W 1	do.	Moored to Bay ice.
29	24			29.22	19	ENE 1	Clr.	Ci and CiSt prevailed during early afternoon.
30	1			29.22	13		do.	
30	8			29.20	20	NE 1	do.	Cruising in Bay. Bay filled with masses of broken pressure ice.
30	10			29.20	38	NE 1	do.	From 1 to 3 tenths Ci and CiSt.
30	12			29.20	30	SW 1	do.	Moored to Bay ice.
30	19			29.20	18	WSW 1	Cldy.	
30	24			29.20	13	WSW 2	Pt. Cldy.	Bear of Oakland sighted at 21:40h; moored alongside at 22:30h.
31	1			29.17	9	SW 1	Cldy.	Unloading ship.
31	4			29.18	10	SW 2		
31	8			29.19	11	SW 1	Cldy.	

TABLE 7.—Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb. 18, 1934—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1934	L. M. T.			Inches	°F.	From 0-18	Pt. Cldy	
Jan. 31	15			29.22	18	SW	1	
31	24			29.28		SW	2	
Feb. 1	1			29.28		SW	1	
1	8			29.35		SW	1	
1	12			29.37		SW	2	
1	17			29.38		SW	1	
1	24			29.38		WSW	2	
2	2			29.37	-3	WSW	4	
2	5			29.36		WSW	3	
2	9			29.34		WSW	2	
2	21			29.28	6	WSW	2	
2	24			29.27	3	WSW	2	
3	2			29.26	3	WSW	2	
3	8			29.23	4	WSW	2	
3	12			29.20	5	WSW	2	
3	16	In Bay of Whales		29.17	7	WSW	3	
3	20			29.15	3	WSW	4	
3	24			29.13	2	WSW	4	
4	4			29.10	2	WSW	4	
4	8			29.09	3	WSW	4	
4	12			29.12	6	WSW	4	
4	16			29.11	6	WSW	4	
4	20			29.17	7	WSW	4	
4	24			29.20	7	WSW	4	
5	4			29.21	7	WSW	4	
5	8			29.22	7	WSW	4	
5	12			29.24	8	WSW	4	
5	16			29.25		WSW	5	
5	22			29.33	9	WSW	4	
5	24			29.33	12	SW	3	Cast off Bay ice 22:10h. 1 iceberg and some floe ice sighted. Sea moderate. Passed several icebergs.
6	4			29.48	16	SW	4	Pt. Cldy
6	8			29.56	23	SW	3	do.
6	12	76 46	170 15 W	29.62	29	WNW	3	Cldy.
6	16			29.61	29	WNW	3	Pt. Cldy
6	20			29.66	28	NNE	1	Cldy.
6	24			29.56	27	NE	4	do.
7	4			29.42	28	ENE	6	do.
7	8			29.34	28	ENE	5	do.
7	12	73 49	175 42 W	29.32	30	SE	3	
7	16			29.36	29	NE	2	Cldy.
7	20			29.44	29	W	2	Pt. Cldy
7	24			29.50	28	W	3	do.
8	4			29.40	28	NNE	2	do.
8	8			29.44	30	ENE	3	Cldy.
8	12	70 22	179 07 W	29.37	32	NW	4	do.
8	16				32	NW	4	do.
8	20			29.26	32	NW	4	Dn. Fog.
8	24			29.28	29	WNW	5	Cldy.
10	4			29.35		NW	4	do.
10	8			29.49		WNW	4	do.
10	12	66 55	178 07 E	29.58		NW	4	do.
10	16			29.43	34	ENE	3	do.
10	20			29.01	37	ENE	4	do.
10	24			28.82	38	N	5	do.
11	4			28.69	37	WNW	7	do.
11	9			28.77	38	W	11	do.
11	12	65 06	179 55 E	29.05	39	W	10	do.
11	17			28.99	38	W	10	do.
11	20			29.03	36	W	10	do.
11	24			29.34	36	WSW	10	do.
12	4			29.61	34	WSW	9-10	do.
12	8			29.89	37	SW	6-7	do.
12	12	63 31	179 55 E	30.03	40	WSW	4	Pt. Cldy.
12	16			29.99	39	NNW	3	Cldy.
12	20			29.87	40	NNW	4	do.
12	24			29.71	39	NNW		do.
13	4			29.52	42	NNW	5	do.
13	8			29.55	42	NNW	5	do.
13	12	61 07	178 72 E	29.67	42	W	4	do.
13	16			29.74	42	WNW	2	do.
13	20			29.77	42	WNW	2	do.

TABLE 7.—Meteorological observations on board the "Jacob Ruppert" from Wellington, New Zealand, to the Bay of Whales and return to Dunedin, New Zealand, Dec. 12, 1933, to Feb. 18, 1934—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1934	L. M. T.	° ' "	° ' "	Inches	° F.	From 0-12	Pt. Cldy	
Feb. 13	24			29.78	42	W 2	Pt. Cldy	No ice sighted all day.
14	4			29.81	42	WNW 3	do	
14	8			29.96	42	W 2	Cldy	
14	12	58 37	176 48 E	30.06	45	SW 3	do	Vis. good; sea moderate.
14	16			30.09	46	W 3	Pt. Cldy	
14	20			30.04	46	N 1	Cldy	
14	24			30.10	45	NE 1	Pt. Cldy	Sea smooth.
15	4			30.00	43	ENE 2	Cldy	
15	8			29.96	44	ENE 1	do	
15	12	55 50	174 55 E	29.85	52	NE 1	do	Foggy. Sea smooth.
15	16			29.76	50	0	do	Lt. rain since 12h.
15	20			29.76	47	SE 1	do	Occasional lt. rain.
15	24			29.70	47	WSW 1	do	Occasional fog.
16	4			29.75	46	WSW 2	do	
16	8			29.78	48	WSW 2	do	
16	12	51 59	173 08 E	29.82	54	NW 3	do	Occasional lt. rain.
16	16			29.83	54	W 4	Pt. Cldy	
16	20			29.95	51	W 3	Cldy	
16	24			29.97	50	W 2	Clr	Vis. good.
17	4			29.91	50	WNW 2	do	Do.
17	8			29.92	56	WNW 2	Pt. Cldy	
17	12	48 24	171 37 E	29.90	56	WNW 1	Cldy	Lt. rain since 10h.
17	16			29.87	53	WNW 1	do	Raining.
17	20			29.89	50	WNW 1	do	
17	24			30.01	51	WSW 4	do	
18	4			30.09	52	WSW 3	Clr	
18	14			30.07				Arrived Port Chalmers at 11:40h.

TABLE 8.—Meteorological observations on board the "Bear" from Dunedin New Zealand to the Bay of Whales, Jan. 20-31, 1934

Day	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Relative humidity	Wind	Clouds	Remarks
					Air	Water				
1934	L. M. T.	° ' "	° ' "	Inches	° F.	° F.	Percent	From 0-12	0-10	
Jan. 20	9	46 45	174 14 E	29.85	54	52		SW 1		Took departure from Otago Heads at 1h.
20	24	48 37	171 25 E	29.80	52	51		NE 2		
21	12	49 45	171 34 E	29.61	50.0		74	ENE 2	1 CiSt NW, Few Ci NW, 7A St E, 1 Cu NE.	
21	16	50 14	171 37 E	29.53	49.2	48	73	ESE 2	5 Ci N, 3 CiSt N, Few ACu S, Few Cu S.	
21	20	50 42	171 41 E	29.51	47.8	46	75	ESE 2	1 Ci N, 3 ASt N, 4 StCu S.	
21	24	51 09	171 45 E	29.49	47.0		81	S 2		Drizzling.
22	4	51 23	171 48 E	29.46	45.3	47	88	S 4	10 StCu S.	Drizzle E. about 3h.
22	12	52 21	171 55 E	29.48	44.8	48	67	SSW 4	Few Ci, 1 ASt, 2 StCu SSW.	Weather clearing. Lt. rain from 5:30h to 6:10h and from 7:30h to 8:30h.
22	16	52 47	171 59 E	29.47	44.1		70	SW 4	3 Cu SW	Weather fine.
22	20	53 12	172 04 E	29.45	44.0	46	68	SW 3	5 StCu SW, 1 Cu SW	
22	24	53 39	172 08 E	29.40	44.3	46	84	WSW 2	3 Cu W, 3 StCu W	
23	4	54 07	172 13 E	29.34	42.0	44.5	77	WSW 2	3 ACu NW, 1 StCu WSW.	Hvy. NE swell.
23	8:45	54 35	172 19 E	29.23	43.3	44.2	76	N 1	5 ACu NW, 4 ASt NW, Few Cu N.	
23	13	55 04	172 24 E	29.11	43.6	45	75	NE 3	10 StCu NE	
23	16	55 38	172 22 E	29.02	43.0	45	78	NE 4	do	
23	20	56 14	172 20 E	28.95	43.0	44.8	78	NE 5	do	Misting from 15:30h to 17:30h.
23	24	56 48	172 18 E	28.94	42.8	44.4	73	ENE 4	do	
24	4	57 21	172 16 E	28.96	42.0	45	71	E 3	Few Ci NW, 1 CiSt NW, 1 StCu SE.	
24	8	57 51	172 15 E	29.01		46.2		ESE 2	4 Cu SE	
24	12	58 17	172 13 E	29.05				SE 2		
24	16	58 43	172 34 E	29.06	39.3	42	89	SE 2	1 Ci 2 Cu SE, 1 CiCu NW.	
24	20	59 08	173 07 E	29.09	40.0		72	ENE 3	4 StCu E	Threatening in W.
24	24	59 32	173 38 E	29.10	40.0	40	76	ENE 3	4 StCu SE	
25	5:30	60 11	174 29 E	29.06	39.7		76	NE 4	10 St NE	
25	8	60 25	174 48 E	29.02	39.5		74	NE 4	10 ASt W	
25	12	60 52	175 24 E	28.99				ENE 5	10 ASt N	

TABLE 8.—Meteorological observations on board the "Bear" from Dunedin, New Zealand, to the Bay of Whales, Jan. 20-31, 1934—Con.

Day	Hour	Latitude S.		Longitude	Pressure sea level	Temperature		Relative humid- ity	Wind		Clouds	Remarks
						Air	Water					
1934	L.M.T.	°	'	°	Inches	°F.	°F.	Percent	From 0-12	0-10		
Jan. 25	20	61	55	176 01 E	28.98	37.0	38.5	87	E 6	10 St E		Lt. rain from 19:45h to 20:10h.
25	24	62	24	176 16 E	29.00	35.5		93	E 6	do		Lt. rain with snow from 23:40h to 23:50h.
26	4	62	53	176 31 E	29.03	35.0		86	ESE 5	do		
26	8	63	15	176 43 E					ESE 5	do		
26	12	63	39	176 56 E					ESE 5	10 St ESE		Snow squall from 8:30h to 9h.
26	16	64	02	177 12 E			35.2		SE 5	do		First iceberg sighted.
26	20	64	25	177 30 E					SE 5	do		
26	24	64	45	177 45 E	29.20	32.2		91	SE 6	10 St SE		Snow squall from 22:30h to 23h.
27	16	66	16	178 41 E	29.30	31.0	33		SE 2	10 AST SE		Frequent squalls during forenoon.
27	20	66	43	178 44 E	29.35	30.6		82	SSW 2	10 ACu SW		
27	24	67	13	178 47 E	29.35	30.3	32	94	WSW 3	3 StCu SW		
28	4	67	40	178 50 E	29.35	31.0		87	W 2	5 ACu SW, 5 StCu W		
28	8	68	10	178 54 E	29.39	29.8		86	W 3	Few Ci, 9 StCu W		Snowing from 5h to 6h.
28	12	68	42	178 57 E	29.41				W 3	8 StCu W		
28	16	69	13	179 26 E	29.44	30.0		79	W 2	10 St W		
28	20	69	43	179 57 W	29.46	30.5		79	NW 3	10 St WNW		
28	24	70	15	179 15 W	29.47	29.2	31.5	94	W 5	10 St W		Overcast all day.
28	5	70	55	178 20 W	29.47	29.7		74	W 3	10 StCu W		Crossed 180th mer. from E to W longitude; hence second day dated Jan. 28.
28	8	71	17	177 49 W	29.50	30.5		78	NW 5	Few Ci (?), 8 StCu NW		Snowing from 5:25h to 6h and from 6:40h to 7h.
28	12	71	46	177 07 W	29.50	29.0	31.7	74	W 3	Few ASt NW, Few StCu W		
28	16	72	16	176 15 W	29.52	31.0		79	NW 3	Few Cu NW		
28	20	72	42	175 33 W	29.50	30.7		69	W 2	Few Ci NW, 3 StCu W		
28	24	73	10	174 35 W	29.48	31.2		94	W 2	Few Ci NW, 7 StCu NW		Clear, bright weather during afternoon and evening.
29	4	73	39	173 40 W	29.45	31.0		63	W 1	Few Ci, 9 StCu SSE, 1 Ci W, 6 ASt W, 2 Cu NE		
29	8	74	06	172 48 W	29.40	32.0		69	NE 2			
29	12	74	26	172 07 W	29.37	31.3		76	ENE 1	Few Ci, 6 CiSt, 3 Cu E		
29	16	74	56	171 17 W	29.31	3p. 5		74	ENE	1 CiSt NW, 5 ACu NW, Few CiCu NW, 3 Cu SE		
29	20	75	26	170 29 W	29.26	29.6	32	78	ENE 2	Few Ci NW, 4 ACu NW, 4 StCu SE		
29	24	75	56	169 38 W	29.22	30.7		68	SE 1	5 ACu NW, 5 StCu SE		Many icebergs sighted.
30	8	76	53	167 57 W	29.20	29.6		74	E 2	Few Ci, 4 ACu SE, Few ASt SE, 1 Cu E		
30	12	77	21	167 07 W	29.20	28.6		79	E 3	4 StCu E		Snowing from 10:30h to 10:45h.
30	16	77	49	166 10 W	29.20	26.6		69	SSE 2	1 StCu SE		
30	20	78	15	165 17 W	29.20	18.6		98	S 2	4 ACu W, 1 StCu S		Hvy. sea smoke to SW. Barrier visible.
30	24	78	32	164 06 W	29.20	10.0			SSE 2	8 StCu SE		Moored to the Jacob Ruppert at 22:30h.
31	9	Bay of Whales			29.20	12.0		96	SSE 2	do		
31	12				29.21	13.5		90	S 2	Few Ci, Few StCu S		

TABLE 9.—Meteorological observations on board the "Bear" during the cruise from the Bay of Whales to the eastward and return, Feb. 6-15, 1933

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Relative humidity	Wind	Clouds	Remarks
1934	L. M. T.	°	°	Inches	°F.	Percent	From 0-12	0-10	
Feb. 6	24			29.54	20.8	78	NE 1	Few AS t-----	Cast off from Bay ice at 19:30h.
7	6			29.41	29.5	80	E 5	do-----	77°50' S, 161°21' W at 4h.
7	12	76 59	159 05 W	29.29	23.5	60	S 6	Few AS t S-----	77°27' S, 160°14' W at 8h.
7	19			29.14	22.0	90	SSW 4	8 ACu S-----	76°59' S, 157°20' W at 16h.
7	24	76 31	154 40 W	29.19	26.2	83	N 2	3 ACu (?), 7 StCu N.	Occasional gusts up to force 8 in early afternoon. 76°52' S, 156°00' W at 20 h.
8	6			29.25	27.4	92	N 2	10 StCu N-----	76°10' S, 153°33' W at 4h.
8	12	75 43	151 00 W	29.33	27.2	92	NE 3	10 St NE-----	75°50' S, 152°10' W at 8h. 10:45h stopped by impenetrable pack lying to E.
8	18			29.39	26.2	92	E 2	Few Ci W, 5 StCu E.	Snowing from 10:30h to 17h. 75°30' S, 149°47' W at 16h. Stopped at 15:10h by impenetrable ice pack filled with large number of tabular bergs, extending unbroken to NE, E, and S.
8	24	74 59	149 37 W	29.39	26.3	79	NE 1	10 StCu SSW---	At 19:15h stopped by impenetrable pack, extending unbroken to NE, E, and S. Position 75°12'30'' S—148°18' W at 19:15h; 75°12' S—148°20' W at 20h.
9	6			29.33	26.1	94	SW 2	6 ACu SW, 3 St.	Met impenetrable pack at 0:30h, swung ship to SW, then NW. At 0:45h began working to E; pack very hvy. hummocked. Working through narrow leads with difficulty. 5h, unable to gain further easting; met unbroken pack at 4h extending far to E; 75°06' S—148°31' W.
9	12	75 30	150 17 W	29.32	27.0	70	SSE 3	8 ACu SSW-----	75°11'30'' S—149°21' W at 8h.
9	20	75 08	153 21 W	29.33	27.0	80	WSW 3	4 StCu WSW-----	At 12:37h began swinging ship to NW to skirt pack, made renewed attempt to turn eastward. Began making northing at 18:35, having gone westward to 153° W. Pack very hvy. and leads very small. Many tabular bergs of immense proportions. 75°23' S—152°05' W at 16h.
9	24	74 42	152 50 W	29.35	27.0	82	SW 3	3 StCu SW-----	Vessel in pack most of day. Sea very calm.
10	6			29.35	28.4	78	SW 2	1 CiCu SW-----	74°34' S—153°56' W at 4h.
10	12	74 13	154 05 W	29.29	29.0	69	0	5 Ci Wor NW, Few Cu W.	74°33' S—155°00' W at 8h.
10	18:45			29.20	28.0	71	NE 4	10 StCu NE-----	Forced off to NE at 12:38h by closed pack; following leads in that direction. Hvy. hummocked ice. Many bergs. 73°54' S—153°08' W at 16h.
10	23:45	73 24	151 11 W	29.16	27.5	70	ENE 6	10 StCu-----	73°32' S—152°22' W at 20h. Mild and balmy until 16h, then low overcast moved in and wind increased. Low pressure area evidently north of us. The Ruppert reports high NW winds. Sea slight, owing to vessel being in pack ice throughout the day.
11	6			29.13	29.2	94	E 5	10 St E-----	Snowing. Working through hvy. closed pack, attempting to gain northing and easting at 6:30h. 73°23' S—150°16' at 4h. Wind increased to force 6h at 5h.
11	12	73°11'30''	149 52 W	29.18	29.5	82	E 6	do-----	Forced off to SE at 12:08h by hvy. unbroken, hummocked pack. Farthest easting obtained this date was at 7:20h; position 73°22' S—149°34' W. 73°22' S—149°47' W at 8h.
11	19			29.33	29.0	87	ESE 3	10 StCu ESE-----	Drizzling from 8 to 18h. 73°14' S—151°15' W at 16h.
11	24	73 12	153 58 W	29.43	28.3	84	SE 3	10 StCu SE-----	73°11'30'' S—152°45' W at 20h.
12	6			29.48	28.8	95	SE 2	do-----	73°18' S—155°26' W at 4h.
12	12	73 35	157 30 W	29.47	28.5	82	ESE 2	10 St ESE-----	73°18' S—156°25' W at 8h.
12	18			29.35	28.8	89	E 3	10 StCu E-----	Snowing from 17:30 to 18h. Ship forced off to SE at 17:30h by hvy. hummocked, closed pack. 74°00' S—157°28' W. at 16h.

TABLE 9.—*Meteorological observations on board the "Bear" during the cruise from the Bay of Whales to the eastward and return, Feb. 6-15, 1934—Continued*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Relative humidity	Wind	Clouds	Remarks
1934	L. M. T.	° ' "	° ' "	Inches	° F.	Percent	From 0-12	0-10	
Feb. 12	24	74 35	155 40 W	29.33	28.0	93	NE 2	10 St NE	Hvy. mist from 22h to 23:30h. Ship maneuvering in pack ice all day. 74°20' S—156°52' W at 20h.
13	6			29.30	29.6	97	N 1	10 StCu N	Rain B. 3:15h, changing to snow at 4h. Misting until 5:15h. Swung to eastward at 3:30h on various courses to avoid ice pack to W. Forced off to N at 4h. Making good course SSW at 6h through hvy. hummocked, pack with few leads. 74°41' S—155°23' W at 4h.
13	12	75 08	155 35 W	29.30	30.0	95	E 3	10 St E	Forced off course to NW at 9:50h to gain open water. Swinging wide to SE at 10:20h in search of open leads. 74°58' S—155°41' W at 8h.
13	18:45			29.34	29.5	94	SE 2	do	Swinging ship to southerly courses at 17:50h following lead which appears favorable. 75°27' S—155°34' W at 16h.
13	24	75 40	156 17 W	29.37	29.0		S 2	10 St NE	Ship being driven to utmost at 23:40h, constantly backing and ramming a narrow passage through flows. Snow from 9h to 22h. 75°40' S—155°31' W at 20h.
14	8	76 04	158 04 W	29.37	30.0		S 2	9 Ast W	Clear of pack at 1:30h. Working to NW at 5:30h. Swung to SW at 6:28. 75°52' S—156°52' W at 4h.
14	12	76 18	158 58 W	29.37	29.9	91	WSW 2	9 Ast, 1 StCu S	Steaming on outer edge of ice pack.
14	18:45			29.33	23.0	96	S 2	10 St Cu SW	Snow B. 16h. 76°47' S—159°51' W at 16h.
14	24	77 52	161 58 W	29.32	16.0	90	S 3	1 Ast, 5 StCu S, Few Cl.	Snow E. 23h. New ice forming in Ross Sea. 77°20' S—160°55' W at 20h.
15	6	78 26	163 37 W	29.31	14.1	74	0	5 St SW	Sea covered with new ice. Sea smoke. 78°07' S—162°30' W at 2h. 78°17' S—163°07' W at 4h. Arrived Bay of Whales and secured to Bay ice at 9h.

TABLE 10.—*Meteorological observations on board the "Bear" from Bay of Whales into the Ross Sea and return, Feb. 19-25, 1934*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1934	L.M.T.	° ' "	° ' "	Inches	° F.	From 0-12	0-10	
Feb. 19	8	77 30	164 06 W	29.40	10	SSE 6	4	Underway from bay ice foot at 23:10h. Entered lanes of pancake ice and slush at 1:45h.
19	12	76 58	164 12 W	29.34	20	SSE 4	10	Overcast since 9h. Occasional bergs and growlers.
19	20	76 06	164 23 W	29.22	26	ENE 4	10	Snowing at 14h.
19	24	75 38	164 30 W	29.20	26	NNE 4	10	
20	4	75 10	164 42 W	29.13	27	E 4	10	
20	8	74 38	164 49 W	29.09	27	E 4	10	
20	12	74 31	165 58 W	29.09	27	E 4	10	Entering pack ice.
20	16	74 17	167 16 W	29.10	28	ESE 3	10	
20	20	73 58	168 15 W	29.10	28	ESE 3	10	
20	24	73 52	170 02 W	29.13	27	ESE 2	10	Maneuvering in pack ice.
21	4	73 18	170 23 W	29.10	27	ESE 2	10	
21	8	72 57	171 15 W	29.09	27	ESE 2	10	
21	12	72 36	172 05 W	29.07	27	ESE 2	10	Clear of pack at 11:15h. In loose, old pack at 12h.
21	16	72 16	171 35 W	28.99	27	SE 1	10	Snowing. Maneuvering in ice pack.
21	20	72 05	171 00 W					Met and moored to B. R. R. S. <i>Discovery II</i> .
22	12	72 02	171 21 W					Cast off from B. R. R. S. <i>Discovery II</i> at 12:01h.
22	16			28.88	27	0	9	
22	20			28.88	26	ESE 1	10	Entered moderate ice pack, 12:35h. Inside the pack 19:20h.
22	24			28.94	25	ESE 1	7	
23	8	74 15	172 04 W	29.03	27	ENE 3	8	Open sea. Skirting ice pack.
23	12	74 36	171 21 W	29.13	27	ESE 3	10	No ice visible.
23	16	74 55	170 49 W	29.21	26	ESE 7	9	Sea clear of ice. Wind at gale force.
23	20	75 16	170 10 W	29.27	26	ESE 7	9	
23	24	75 35	169 38 W	29.36	24	SSE 6	10	Occasional tabular bergs. Overcast all day.
24	4	75 53	169 05 W	29.43	23	SSE 6	9	Sea clear of ice.
24	8	76 12	168 29 W	29.48	20	SSE 6	9	
24	12	76 33	167 46 W	29.53	20	SSE 5	9	
24	16	76 52	167 10 W	29.53	17	SSE 6	9	

TABLE 10.—*Meteorological observations on board the "Bear" from Bay of Whales into the Ross Sea and return, Feb. 19-25, 1934—Continued*

Day	Hour	Latitude S.	Longitude	Pressure, sea level	Air temperature	Wind	Cloudiness	Remarks
1934	L.M.T.	° ' "	° ' "	Inches	° F.	From 0-12	0-10	
Feb. 24	24	77 30	165 45 W	29.52	16	S 5	8	Max. pressure 29.55h at 21h. Overcast all day. Many icebergs and growlers sighted.
25	4	77 49	164 58 W	29.47	7	S 4	7	Encountered lanes of pancake ice at 1:45h, at times reaching considerable size and thickness. Occasional growlers and icebergs.
25	10	77 52	164 52 W	29.42	6	WSW 3	9	Hove to in open pancake ice 25 miles NW Bay of Whales.
25	12	77 52	164 52 W	29.36	---	S 3	10	Steaming through pack ice and newly frozen pancake ice.
25	20	---	---	29.36	---	SSW 2	7	Position at 23h, 78°28' S—163°40' W.
25	24	---	---	29.36	-12	SSW 2	2	Entered Bay of Whales 23:15h.

TABLE 11.—*Meteorological observations on board the "Bear" from Bay of Whales to Dunedin, New Zealand, Feb. 26 to Mar. 12, 1934*

Day	Hour	Latitude S.	Longitude	Pressure, sea level	Air temperature	Wind	Cloudiness	Remarks
1934	L.M.T.	° ' "	° ' "	Inches	° F.	From 0-12	0-10	
Feb. 26	12	---	---	29.33	4	ENE 3	5	Cast off from Bay ice at 8:35h. Hvy. pancake ice.
26	16	---	---	29.38	18	NE 1	10	Newly frozen ice.
26	20	77 54	166 30 W	29.38	28	N 1	10	Clear of newly frozen ice at 5h.
26	24	77 33	168 06 W	29.40	28	NW 2	10	Occasional icebergs and growlers.
27	4	77 10	169 51 W	29.38	25	NNW 3	9	Occasional growlers.
27	8	76 46	171 30 W	29.30	25	NE 6	9	
27	12	76 23	173 10 W	29.29	29	NE 4	10	
27	16	76 05	174 34 W	28.13	29	ENE 4	9	
27	20	75 45	175 58 W	28.03	29	ENE 5	10	
27	24	75 25	177 27 W	28.99	27	ENE 6	10	Frequent snow squalls during day.
28	4	75 05	178 55 W	28.81	29	ESE 6	10	Snow flurries and fog. No ice sighted.
28	8	74 36	179 46 W	28.80	29	ESE 6	10	Snowing. Sea rough.
28	12	74 06	179 45 E	28.93	29	SE 6	10	Snowing. Occasional icebergs and growlers sighted.
28	16	73 33	179 38 E	28.97	28	SE 5	9	
28	20	73 03	179 32 E	29.07	28	SE 5	9	
28	24	72 31	179 29 E	29.13	29	SSW 4	10	
Mar. 2	4	72 02	179 30 E	29.16	29	SW 3	10	Crossed 180th mer. from W to E longitude; hence lose Mar. 1, 1934. No ice sighted.
2	8	71 34	179 30 E	29.22	29	W 3	10	
2	12	71 08	179 30 E	29.24	32	NNW 3	9	Snow squall at 10h.
2	16	70 46	179 35 E	29.17	32	N 3	9	
2	20	70 20	179 39 E	29.06	30	NE 5	10	
2	24	69 59	179 41 E	28.73	29	E 10	10	Snowing since 21h.
3	4	---	---	28.32	29	SE 10	10	Snow and sleet. Hvy. sea.
3	8	69 40	179 26 E	28.07	29	SE 11	10	Ship hove to. High wind, sleet and snow.
3	12	69 35	179 23 E	27.99	29	ESE 8	10	Snowing.
3	16	69 09	179 10 E	28.03	31	S 5	10	Snowing. Underway since 12:25h.
3	20	68 33	178 53 E	28.38	30	S 7	10	
3	24	68 14	178 57 E	28.79	29	SSW 10	10	
4	4	67 58	179 23 E	29.06	29	SW 7	9	Field of icebergs sighted ahead at 2:58h.
4	8	67 33	179 11 E	29.28	29	SW 3	9	Maneuvering between icebergs until 7h.
4	12	67 15	178 55 E	29.31	29	NE 2	10	Occasional icebergs and growlers.
4	16	66 48	178 25 E	29.17	29	N 8	10	2 large bergs sighted at 15:30h.
4	20	66 25	177 32 E	28.96	30	N 8	10	
4	24	66 05	176 49 E	28.81	30	NNW 5	10	Snow from 20:40h to 22:45h. No ice sighted.
5	4	65 48	176 10 E	28.89	31	NW 5	10	
5	8	65 34	175 35 E	28.94	31	NW 3	10	
5	13	65 14	174 49 E	28.98	33	NNW 3	10	No icebergs sighted. Maximum pressure 29.00h at 12h.
5	18	64 51	173 57 E	28.88	33	SE 2	10	Dn. fog since 15h.
5	21	64 36	173 22 E	28.85	31	ESE 2	10	Snowing. Dn. fog E. 21h.
5	24	64 20	172 47 E	28.84	30	SW 3	10	Lt. snow.
6	4	63 56	172 17 E	28.87	31	SW 4	9	1 iceberg sighted.
6	8	63 30	171 42 E	28.96	31	SW 3	9	
6	12	63 08	171 14 E	29.04	36	NNW 2	10	
6	16	62 46	170 48 E	29.03	35	N 3	10	
6	20	62 21	170 20 E	29.00	34	N 2	10	
6	24	61 57	169 52 E	28.99	34	ENE 3	4	
7	4	61 29	169 22 E	28.92	35	ENE 3	2	Sudden squall from 2:30h to 3:30h.
7	8	60 55	169 17 E	28.83	36	E 5	2	
7	12	60 23	169 12 E	28.65	36	ESE 8	10	Rain from 10h to 16h.
7	18	59 36	169 08 E	28.57	34	S 7	10	
7	24	58 48	169 11 E	28.70	36	S 5	10	
8	4	58 10	169 21 E	28.87	36	SW 8	10	Wind increasing to gale force.
8	8	57 35	169 31 E	28.99	35	SW 10	10	Sea very high and rough.
8	12	57 03	169 40 E	29.08	35	SW 10	10	
8	16	56 27	169 49 E	29.15	35	SW 8	10	

TABLE 11.—*Meteorological observations on board the "Bear" from Bay of Whales to Dunedin, New Zealand, Feb. 26 to Mar. 12, 1934—Con.*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1934	L.M.T.	° ' "	° ' "	Inches	° F.	From 0-12	0-10	
Mar. 8	20	55 55	169 57 E	29.19	36	SW 5	10	
8	24	55 25	170 05 E	29.21	35	NNW 3	9	
9	4	54 59	170 07 E	29.11	36	NNE 3	7	Lt. fog until 8h.
9	8	54 33	170 07 E	29.12	36	NNE 2	3	
9	12	54 10	170 07 E	29.15	38	ENE 2	10	Lt. rain since 9h.
9	15	53 51	170 07 E	29.19	40	WNW 3	10	
9	20	53 19	170 13 E	29.35	40	SW 10	10	Rain with wind at gale force since 17h. Sea rising and very rough.
9	24	52 47	170 18 E	29.45	39	SW 10	5	Gale and squalls continue.
10	4	52 13	170 25 E	29.51	38	WSW 7	6	Rain and squalls until 3h.
10	8	51 42	170 30 E	29.54	38	WSW 6	8	
10	12	51 15	170 36 E	29.54	40	W 5	10	Squalls at 9h.
10	16	50 47	170 38 E	29.49	43	W 6	10	Squalls since 14h.
10	20	50 23	170 37 E	29.50	43	W 8	10	Minimum pressure 29.46 at 18h. Sea rough.
10	24	50 01	170 35 E	29.58	42	W 5	9	Continued wind and rain squalls.
11	4	49 31	170 33 E	29.63	40	WSW 5	4	
11	8	48 59	170 31 E	29.67	42	SW 3	4	
11	12	48 31	170 29 E	29.66	47	W 2	2	
11	18	47 53	170 29 E	29.60	46	W 1	4	
11	20	47 39	170 32 E	29.61	46	W 1	4	
11	24	47 06	170 39 E	29.64	40	W 1	3	
12	4	46 34	170 46 E	29.71	42	WSW 4	6	
12	8	46 04	170 52 E	29.78	42	WSW 9	10	Hvy. squall.
12	12			29.96	42	SW 6-9	10	Intermittent rain and wind squalls.
12	14			30.00	42	SW 8	8	Dropped anchor 15:37h.

TABLE 12.—*Meteorological observations on board the "Bear" from Dunedin, New Zealand, to the Bay of Whales and return, Jan. 2 to Feb. 20, 1935*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1935	L.M.T.	° ' "	° ' "	Inches	° F.	From 0-12	0-10	
Jan. 2	20	46 08	170 56 E	29.46	-----	SSE 1	10	Dn. fog since 15h. Cast off from Dunedin at 13:15h.
2	24			29.47	-----	S 1	10	Dn. fog.
3	4	46 42	171 04 E	29.43	-----	SSE 2	10	Fog cleared at 3h.
3	8	46 56	171 08 E	29.51	-----	ESE 3	10	
3	12	47 10	171 14 E	29.58	-----	SSW 3	10	
3	16	47 32	171 26 E	29.59	-----	SW 3	10	
3	20	47 53	171 38 E	29.62	51	SW 3	10	Hvy. overcast.
3	24	48 07	171 45 E	29.69	47	SW 5	10	Passing showers.
4	4	48 33	172 01 E	29.73	48	SSW 5	10	Hvy. overcast. Moderate squalls.
4	8	48 49	172 12 E	29.83	48	SSW 3	10	Squalls. Sea rough.
4	12	49 07	172 24 E	29.87	55	SSW 3	5	Lt. squalls. Sea continues rough.
4	16	49 29	172 40 E	29.87	50	WSW 2	9	
4	20	49 51	172 56 E	29.87	50	WSW 2	8	
4	24	50 15	173 12 E	29.88	47	SSW 4	9	Hvy. squalls with rain since 20:30h.
5	4	50 37	173 30 E	29.87	46	SSW 4	9	Continued squalls.
5	8	50 55	173 44 E	29.93	53	SSW 3	9	Squalls continue.
5	12	51 14	173 55 E	29.93	49	SSW 3	9	Vis. good.
5	16	51 38	174 15 E	29.91	49	WSW 3	9	Occasional mist.
5	20	52 05	174 29 E	29.90	49	SW 3	8	
5	24	52 35	174 42 E	29.91	46	SSW 3	10	Passing showers.
6	4	53 02	174 55 E	29.88	46	SW 3	10	Sea smooth.
6	8	53 26	175 02 E	29.87	46	SW 4	10	Squalls with rain.
6	12	53 47	175 11 E	29.79	45	W 4	10	Continued squalls.
6	16	54 19	175 20 E	29.73	47	WSW 3	10	Drizzling.
6	20	54 50	175 30 E	29.66	47	WSW 3	10	Do.
6	24			29.64	45	W 3	10	Lt. squalls.
7	4	55 47	175 47 E	29.60	49	WSW 1	10	Lt. fog.
7	8	56 10	175 54 E	29.60	45	WSW 1	10	Dn. fog.
7	12	56 35	176 02 E	29.56	44	NNE 2	10	Lt. fog until 15h.
7	16	57 04	176 03 E	29.41	43	ENE 3	10	Raining.
7	24	58 06	176 04 E	29.08	44	N 4	10	Do.
8	4	58 34	176 06 E	28.98	44	NNW 2	10	Dn. fog since 3h. Lt. rain.
8	8	59 00	176 12 E	28.86	44	NNW 2	10	Lt. rain. Dn. fog.
8	12	59 30	176 20 E	28.71	43	N 2	10	Hvy. rain. Fog cleared at 11h.
8	16:20	60 00	176 28 E	28.63	44	N 1	10	Rain E. 13h. Dn. fog since 14h.
8	20	60 22	176 34 E	28.60	43	N 1	10	Dn. fog.
8	24	60 45	176 40 E	28.62	39	NNE 1	10	Do.
9	4			28.66	38	SE 1	-----	Fog clearing.
9	8	61 15	176 50 E	28.78	37	ENE 5	-----	Lt. rain.
9	12	61 27	177 01 E	28.94	37	E 7	-----	Lt. rain changing to snow at 10h.

TABLE 12.—*Meteorological observations on board the "Bear" from Dunedin, New Zealand, to the Bay of Whales and return, Jan. 2 to Feb. 20, 1935—Continued*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1935	L. M. T.	° ' "	° ' "	Inches	° F.	From 0-12	0-10	
Jan. 9	16	---	---	29.03	36	E 8	---	Overcast; squalls. Sea hvy. Ship hove to in gale.
9	20	---	---	29.16	37	E 8	---	Ship drifting.
9	24	---	---	29.30	36	ESE 8	---	Gale reached force 9 at 23h.
10	4	---	---	29.39	37	E 8	---	
10	8	61 41	177 46 E	29.52	35	E 5	9	Sea heavy.
10	12	61 59	177 45 E	29.58	35	SE 5	9	Occasional lt. snow from 9h to 10h.
10	20	62 27	177 45 E	29.66	35	SE 3	9	Lt. snow.
10	24	62 51	177 45 E	29.72	34	SE 2	8	Hvy. snow.
11	4	63 11	177 41 E	29.77	34	SE 1	9	Sighted first iceberg at 1:15h. Lt. snow squalls.
11	8	63 32	177 48 E	29.80	34	S 1	10	Sighted iceberg at 2h.
11	12	63 58	178 00 E	29.85	33	WSW 1	10	Passed a few icebergs.
11	16	64 25	178 11 E	29.86	33	SSW 1	10	Sea smooth; sighted several icebergs.
11	20	64 54	178 23 E	29.87	31	SW 2	10	
11	24	65 26	178 38 E	29.86	31	W 2	10	Occasional snow squalls. Passed several icebergs.
12	4	66 00	178 58 E	29.82	31	W 2	10	Lt. snow, 0h-4h. Passed several small icebergs.
12	8	66 33	179 14 E	29.79	31	W 2	10	Occasional lt. snow, 4h to 8h.
12	12	67 06	179 28 E	29.75	33	WSW 1	10	Snowing. Sighted a few icebergs and patches of pack ice.
12	17	67 27	179 52 W	29.68	31	WSW 1	6	Snowing. Sighted Scott Island 13h.
12	20	67 50	179 50 W	29.64	30	WSW 1	6	Snowing.
12	24	68 18	179 47 W	29.55	30	SW 2	10	Small patches of loose pack ice.
12	4	68 43	179 47 W	29.53	32	S 2	6	Occasional lt. snow, 0h-4h. Passed 1 iceberg. Crossed 180th mer.; thus, second day dated Jan. 12.
12	8	69 03	179 47 W	29.50	33	S 2	6	
12	12	69 24	179 47 W	29.52	34	SSW 3	7	
12	16	69 45	179 47 W	29.56	33	SSE 2	6	
12	20	70 05	179 48 W	29.56	33	S 2	5	
12	24	70 28	179 49 W	29.57	33	S 2	4	No ice sighted.
13	4	70 51	179 50 W	29.57	33	SSE 2	6	
13	8	71 15	179 50 W	29.58	31	SSE 1	4	
13	12	71 36	179 50 W	29.59	33	S 2	6	
13	16	71 46	179 12 E	29.58	32	S 2	4	
13	20	71 59	177 54 E	29.57	33	S 2	5	
13	24	72 11	176 41 E	29.57	31	S 2	10	Sea calm. No ice sighted all day.
15	4	72 22	175 30 E	29.53	32	SW 0-1	4	Crossed 180th mer., W to E longitude; hence, lose Jan. 14
15	8	72 36	174 07 E	29.55	31	SSE 0-1	5	
15	12	72 48	172 53 E	29.56	34	SSE 1	6	
15	16	72 58	171 32 E	29.54	37	SW 1	6	Approaching coast of Antarctica. No ice sighted, 0h-16h.
15	20	73 16	170 53 E	29.50	38	WNW 1	8	Passed through lane of loose pack ice, 17:10h to 17:22h.
15	24	73 38	170 57 E	29.52	31	SSE 2	8	Entered pack ice at 23:45.
16	4	---	---	29.48	35	SW 2	5	Cleared pack at 1:20h. 73°33' S—170°20' E at 2h.
16	8	74 03	171 16 E	29.49	35	SSW 2	6	Passed large field of pack ice; open water to south.
16	12	74 23	170 20 E	29.51	48	NW 1	8	Sighted Franklin Island at 9:40h.
16	16	74 42	169 20 E	29.51	35	SE 2	8	Rounding field of pack ice. Sea smooth.
16	20	---	---	29.55	35	SE 2	8	Passing field of pack ice.
16	24	---	---	29.58	31	S 3	8	Lt. snow since 23h. 75°13' S—169°37' E at 22h.
17	4	75 44	169 06 E	29.59	30	S 1	8	Occasional lt. snow, 0h-4h.
17	8	76 07	168 47 E	29.59	30	S 1	8	Intermittent hvy. snow, 4h-8h.
17	12	76 34	168 29 E	29.66	37	SE 1	8	
17	16	76 58	168 35 E	29.66	55	NE 1	6	Cape Crozier ahead. 2 small bergs in sight.
17	20	77 20	169 08 E	29.60	34	WNW 1	8	Following edge of pack ice.
17	24	77 25	170 34 E	29.58	35	NW 1	9	
18	4	77 35	172 19 E	29.57	32	NW 1	8	Vessel cruising along northern edge of Ross Ice Barrier.
18	8	77 45	174 03 E	29.56	34	NW 1	8	Vy. little broken ice; no bergs.
18	12	77 58	176 07 E	29.56	36	S 1	8	Some small growlers. Sea calm.
18	16	78 09	177 34 E	29.52	37	NW 1	8	
18	20	78 11	179 47 E	29.46	35	NW 1	9	
18	24	78 11	178 03 W	29.42	24	SW 1	9	No loose ice.
18	4	78 16	176 00 W	29.40	20	S 1	10	Cruising along edge of Ross Ice Barrier. Crossed 180th mer., E to W longitude; thus, second day dated Jan. 18.
18	8	78 18	174 10 W	29.40	19	S 1	10	
18	12	78 19	172 10 W	29.38	20	S 1	9	Passed a group of bergs at 10:30h.
18	16	78 19	170 14 W	29.35	22	S 1	10	In Discovery Inlet. No ice in Inlet.
18	20	78 14	170 48 W	29.34	21	S 1	10	Entered pack ice at 16:43h, close to barrier to gain easting and pick-up trail party camped on bay ice. Out of ice at 17:45h.
18	24	---	---	29.34	22	SE 1	10	No loose ice. 78°09' S—170°04' W at 23h.
19	4	78 20	167 17 W	29.32	19	SE 1	9	Steaming along Ross ice barrier.
19	8	78 25	165 20 W	29.33	21	SE 1	9	
19	12	---	---	29.37	21	NNE 1	9	Ship fast to bay ice in Bay of Whales at 11:30h.
19	20	---	---	29.43	23	ESE 1	---	
19	24	---	---	29.46	22	ESE 1	---	
20	4	---	---	29.48	22	E 3	---	
20	8	---	---	29.54	23	E 2	3	
20	12	---	---	29.58	24	E 2	5	
20	16	---	---	29.58	29	ESE 1	---	
20	20	---	---	29.62	24	ESE 1	---	

TABLE 12.—Meteorological observations on board the "Bear" from Dunedin, New Zealand, to the Bay of Whales and return, Jan. 2 to Feb. 20, 1935—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temper- ature	Wind	Cloud- ness	Remarks
1935	L. M. T.	° ' "	° ' "	Inches	° F.	From 0-12	0-10	
Jan. 20	24			29.68	24	ESE 1	1	
21	4			29.70	16	S 1	1	
21	8			29.76	22	SSW 1	1	
21	12			29.81	28	SW 1	1	Bay clear of all detached ice.
21	16			29.83	32	W 1	1	
21	20			29.89	28	W 1	1	
21	24			29.94	22	W 1	1	
22	4			29.92	22	WSW 2	2	
22	8			29.97	25	SW 1	1	Bay ice breaking away in large floes.
22	12			29.97	40	N 1	1	Steaming in Bay to keep clear of ice floes.
22	16			29.96	34	WNW 1	1	
22	20			29.94	30	NW 1	10	
22	24			29.91	26	NNW 1	10	
23	4			29.85	30	N 3	10	
23	8			29.77	31	NE 4	10	Snowing since 7h.
23	12			29.69	31	NW 3	10	Continued hvy. snow, 8h-12h.
23	16	Bay of Whales		29.60	32	NW 2	10	Hvy. snow 12h-16h.
23	20			29.57	32	NW 2	10	Snowing 16h-20h.
23	24			29.54	30	NW 2	10	Continuous snow, 20h-24h. Icebergs drifting into Bay of Whales.
24	4			29.50	32	NW 2	10	Hvy. snow 0h-4h.
24	8			29.48	32	NW 2	10	Lt. snow 4h-8h.
24	12			29.48	32	NW 1	10	Lt. snow 8h-12h.
24	16			29.46	33	N 2	10	Snow E. 14h. Sky clearing.
24	20			29.46	32	NNW 2	2	
24	24			29.48	29	NNE 1	1	Ice drifting out around West Cape.
25	4			29.48	33	NE 1	1	
25	8			29.50	32	NE 2	2	Bay still full of ice.
25	12			29.46	34	ENE 4	4	
25	16			29.41	28	E 4	4	
25	20			29.37	30	E 3	10	Drifting in the Bay, waiting for loose ice to move out.
25	24			29.28	26	ESE 6	10	Continuous hvy. snow since 21h.
26	4			29.21	29	ESE 7	10	Hvy. snow falling, 0h-4h. Steaming and drifting in lee of barrier, riding out easterly gale.
26	8			29.17	30	ENE 6	10	Snowing, 4h-8h.
26	12			29.17	34	NNE 6	10	Continuous snow, 8h-12h. Ice closing in on ship; steering for open water.
26	20	Outside Bay of Whales		29.21	31	ENE 6	10	Snow E. at 13h. Fog at 14h. Rain from 15h to 16h. Sleet from 18h. Sighted the <i>Jacob Ruppert</i> to eastward at 16:05h.
26	24			29.26	32	NNE 5	10	Occasional snow and sleet until 23h.
27	4			29.28	32	NE 3	10	Moved to outside Bay of Whales. Several bergs visible.
27	8			29.34	33	N 3	10	Icebergs visible to North.
27	12			29.38	33	NNE 3	10	
27	16			29.39	33	NE 2	10	Drifting into Bay of Whales. Weather moderating.
27	20			29.41	33	NE 2	10	Icebergs drifting in around eastern barrier.
27	24			29.43	32	ENE 2	10	Snow from 21h to 22h.
28	4			29.43	32	ENE 1	10	Drifting in Bay of Whales. A few icebergs outside the bay.
28	8			29.43	32	ESE 1	10	Bay jammed with ice.
28	12			29.39	33	ESE 1	10	
28	16			29.36	31	SE 1	10	Snowing since 14h.
28	20			29.35	32	E 1	10	Snowing.
28	24			29.35	32	ENE 1	10	Do.
29	4			29.34	33	NE 3	10	Occasional snow, 0h-4h. Loose ice coming around East Cape into Bay.
29	8			29.35	32	NE 2	10	Lt. snow.
29	12			29.34	34	ENE 2	10	
29	16			29.32	34	ENE 1	10	Snowing since 13h.
29	20			29.28	34	NE 1	10	Snow E. 17h.
29	24							
30	4	Bay of Whales		29.25	32	NE 2	10	Occasional snow and mist, 0h-4h.
30	8			29.21	34	NE 1	10	Outer bay spotted with loose ice and growlers.
30	12			29.17	34	ENE 1	10	Snowing since 9h.
30	16			29.11	34	NE 1	10	Snowing since 14h.
30	20			29.07	34	ENE 1	10	Clearing. Moored to the <i>Jacob Ruppert</i> at 16:50h.
30	24			29.04	34	ENE 1	10	Pack ice and bergs drifting out around West Cape.
31	1			29.04	33			
31	10			29.03		NE 1		
31	12			29.05				
31	16			29.07	34	NW 1		
31	20			29.11	33	NNW 1		
31	24			29.13	30	N 1	10	Snowing since 21h.
Feb. 1	4			29.14	30		0	Occasional snow, 0h-4h. Much ice drifting out of Bay.
1	7			29.15	31	W 1	10	Snowing since 6h.
1	12			29.13				Occasional snow, 7h-12h.
1	19			29.09	28	E 1	10	
1	22			29.07	27	E 1	10	Lt. snow.

TABLE 12.—Meteorological observations on board the "Bear" from Dunedin, New Zealand, to the Bay of Whales and return, Jan. 2 to Feb. 20, 1935—Continued

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1935	L. M. T.	°	'	Inches	°F.	From 0-15	0-10	
Feb. 1	24			29.06	27	E	1	10
2	4			29.02	25	ESE	2	
2	8			29.00	26	SE	2	10
2	12			28.97	33	S	1	10
2	18			28.93	28	SSW	1	10
2	20			28.92	28	SSW	1	10
2	24			28.91	24	SW	1	
3	4			28.88	16	S	1	
3	8			28.84	12	S	5	
3	12	Bay of Whales		28.84	15	SSW	2	
3	16			28.82	20	SSW	2	
3	20			28.81	15	SSW	1	
3	24			28.80	5	SSW	1	
4	4				12	ESE	1	
4	8				12	ENE	1	10
4	12			28.89	14	ENE	1	10
4	16			28.89	16	E	1	10
4	20			28.90	18	ESE	1	10
4	24			28.95	17	ESE	1	10
5	12	Discovery Inlet		29.07	18	ESE	2	10
5	16			29.08	25	ESE	1	
5	20			29.12	18	ESE	1	
5	24			29.15	12	ESE	1	
6	4			29.19	15	SE	1	10
6	8			29.20	16	SSE	1	10
6	12			29.21	16	SE	1	10
6	16			29.19	20	E	1	10
6	20			29.19	16	E	1	10
6	24			29.17	17	SW	1	10
7	4			29.10	18	W	2	10
7	8			29.12	25	NW	1	
7	12	77 19	173 43 W	29.10	25	SW	1	10
7	16			29.10	26	SSW	1	
7	20	76 31	175 24 W	29.15	21	SSW	1	8
7	24			29.19	23	SSW	1	
8	4	75 50	176 54 W	29.21	24	WSW	1	8
8	8	75 25	177 48 W	29.21	36	NW	1	5
8	12	74 58	178 45 W	29.21	34	N	1	8
8	16	74 38	179 24 W	29.15	30	NE	3	9
8	20	74 11	179 43 E	29.03	30	N	1	8
8	24	73 48	179 28 E	29.01	30	N	1	8
10	4	73 24	179 12 E	29.00	30	NE	1	9
10	8	72 59	178 56 E	29.04	35	SW	2	7
10	12	72 27	178 37 E	29.12	32	SSW	1	3
10	16	72 06	178 24 E	29.18	31	SW	2	3
10	20	71 32	178 05 E	29.22	32	SW	3	4
10	24	71 00	177 45 E	29.28	29	SSW	3	4
11	4	70 31	177 30 E	29.27	30	WSW	2	3
11	8	70 01	177 13 E	29.28	36	SSW	2	4
11	12	69 32	176 58 E	29.32	34	S	2	5
11	16			29.39	34	SSW	2	5
11	20	68 32	176 29 E	29.38	32	SSW	2	6
11	24	67 59	176 14 E	29.57	30	SW	2	6
12	4	67 34	176 03 E	29.54	32	NW	1	6
12	8	67 09	175 48 E	29.42	32	NNW	2	5
12	12	66 45	175 42 E	29.36	33	W	3	10
12	16	66 19	175 35 E	29.30	33	W	2	10
12	20	65 49	175 27 E	29.32	36	WSW	2	10
12	24			29.34	33	W	4	10
13	4	64 48	175 11 E	29.33	34	WNW	3	10
13	8	64 21	175 05 E	29.28	34	NW	4	10
13	12	64 03	175 00 E	29.22	34	NW	4	10
13	16	63 37	174 51 E	29.21	35	W	3	10
13	20			29.22	35	W	4	10
13	24			29.22	35	SW	5	10
14	4			29.18	34	W	3	
14	8	61 48	174 13 E	29.11	33	W	5	10
14	12	61 18	173 53 E	29.11	33	WSW	4	10
14	16	60 46	173 31 E	29.18	35	SW	7	8
14	20			29.29	35	SSW	8	10
14	24			29.30	34	SSW	11	10

TABLE 12.—*Meteorological observations on board the "Bear" from Dunedin, New Zealand, to the Bay of Whales and return, Jan. 2 to Feb. 20, 1935—Continued*

Day	Hour	Latitude S.	Longitude	Pressure sea level	Air temperature	Wind	Cloudiness	Remarks
1935	L. M. T.	° ' "	° ' "	Inches	° F.	From 0-12	0-10	
Feb. 15	4			29.56	35	SSE 9		Occasional snow until 3h. Very high sea; ship hove to.
15	8			29.70	37	S 5		Wind and sea moderating.
15	12	59 03	172 46 E	29.74	37	SSW 5	8	Occasional lt. snow, 8h to 12h.
15	16			29.76	38	WSW 6		
15	20			29.75	37	SW 4		
15	24			29.67	37	SW 4		Clear, fine weather. No ice sighted.
16	4			29.62	46	WSW 6		
16	8			29.75	46	SSW 9		
16	12	55 45	171 55 E	29.88	43	S 8	8	
16	16			29.94	45	S 5		
16	20			30.00	45	S 5		
16	24			30.05	44	SW 3	10	
17	4			29.99	46	W 2	10	Occasional lt. rain.
17	8			30.00	46	W 5	10	
17	12	52 25	171 05 E	30.02	46	SW 4	10	Occasional lt. rain.
17	16			30.03	50	WSW 3	10	Weather moderating.
17	20			30.05	50	WSW 2	10	Dn. fog B. 18 h.
17	24			30.05	48	WNW 1	10	Dn. fog.
18	4			30.00	50	NW 2	10	Occasional lt. rain.
18	8			29.93	50	NNW 2	10	
18	12	49 45	170 43 E	29.94	55	NW 3	10	Dn. fog since 10h. with mist and rain.
18	16			29.93	59	WNW 3		Fog cleared at 15h. Land sighted at 14:45h.
18	20			29.93	60	WNW 3		
18	24			30.00	56	NNW 1	10	Hvy. rain from 23h.
19	4			29.99	54	N 1	10	
19	8			29.88	54	ENE 1	10	
19	12			29.70	60	ENE 3	10	Dn. fog. Misting. Outside Dunedin Harbor.
19	16			29.66	68	NE 2		
19	20			29.60	68	N 1		
19	24			29.60	60	SW 1		
20	4			29.54	59			Raining.
20	8			29.64	60			Raining. Ship docked 8:30h.

TABLE 13.—*Meteorological observations on board the "Jacob Ruppert" from Dunedin, New Zealand, to the Bay of Whales, Jan. 16-28, 1935*

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1935	L. M. T.	° ' "	° ' "	Inches	° F.	° F.	From 0-12		
Jan. 16	20			29.72			NE 4	Cldy	Left Port Chalmers 18:30h. Squalls.
16	24			29.70			NE 4	do	Squalls. Sea smooth.
17	4			29.74		56	NW 4	do	Occasional lt. rain since 1h.
17	8			29.74			W 2	do	Lt. rain. Sea smooth.
17	12	48 00	171 47 E	29.74			W 4	Foggy	Occasional showers.
17	16			29.74		52	S 4	do	
17	20			29.74		56	ESE 2	do	
17	24			29.75		56	ENE 2	do	
18	4				56		ENE 2	Cldy	Drizzling rain from 2h to 8h; fog E. 1h.
18	8				53		WNW 1	do	Sea moderate.
18	12	51 13	173 15 E		52		SW 2	do	Misting at 9h.
18	16			29.66	58		SW 3	Pt. Cldy	Vis. good.
18	20			29.68	51		W 2	do	
18	24			29.67			WSW 2	do	
19	4			29.63	48	48	SW 1	Cldy	
19	8			29.61	48		NE 1	do	
19	12	54 30	174 49 E	29.57	50		N 2	do	Sea smooth.
19	16			29.45	48	44	NE 3	do	
19	20			29.38	46	46	NE 2	do	
19	24			29.38	46		NNE 2	do	Drizzling rain since 21h.
20	4			29.22	44	43	W 3	do	Rain E. 3h.
20	8			29.20	44	43	NW 2	do	
20	12	58 11	176 42 E	29.20	49	41	NW 1	Clr	
20	16			29.23	59	41	NW 1	Pt. Cldy	Sea moderate.
20	20			29.23	47	41	WNW 1	Cldy	Fog began 21h.
20	24			29.23	43	41	NE 3	Foggy	
21	4			29.24	41	39	NE 4	Cldy	Fog. E. 2h.
21	8			29.24	43	39	NE 4	do	
21	12	61 39	178 52 E	29.26	41	38	NE 6	do	Sea moderate.
21	16			29.28	41	38	NE 5	do	Foggy from 13h to 15h.
21	20			29.31	40	38	ENE 5	do	
21	24			29.35	39	35	NE 5	Clr	
22	4			29.40	38	36	NE 5	Foggy	Fog from 1h to 7h.

TABLE 13.—Meteorological observations on board the "Jacob Ruppert" from Dunedin, New Zealand, to the Bay of Whales, Jan. 16-28, 1935—
Continued

Date	Hour	Latitude S.	Longitude	Pressure sea level	Temperature		Wind	Cloudiness	Remarks
					Air	Water			
1935	L. M. T.	" "	" "	Inches	°F.	°F.	From 0-12	Cldy	
Jan. 22	8			29.46	38	38	NE 5	do	Vis. poor. Sea rather rough. First iceberg sighted at 7:30h.
22	12	65 13	179 54 E	29.51	38	34	NE 5	do	
22	16			29.52	37	34	NE 5	do	
22	20			29.56	34	34	NE 5	do	
22	24			29.59	32	33	NE 5	do	A number of icebergs were sighted during the day.
22	4			29.67	34	32	ENE 5	do	Sea moderate.
22	8			29.68	31	32	ENE 5	do	
22	12	68 38	176 56 W	29.70	31	32	ENE 5	do	Crossed 180th mer. from E to W longitude, hence second day dated Jan. 22.
22	16			29.71	31	32	ENE 5	do	
22	20			29.72	30	31	ENE 5	do	Vis. good.
22	24			29.68	31	31	ENE 4	do	Pack ice to the S and SW. Numerous bergs and growlers in sight all day.
23	4			29.61	30	30	ENE 3	do	Steaming along edge of pack; many bergs and growlers.
23	8			29.60	30	30	ESE 4	do	
23	12	71 17	179 00 W	29.55	30	31	E 4	do	Lt. snow at 9h.
23	16			29.52	30	31	E 3	do	Bergs and pack ice visible. Sea smooth.
23	20			29.50	30	31	E 2	do	
23	24			29.47	30	32	SE 1	do	
24	4			29.44	29	31	SE 3	do	Snowing. Sea smooth; occasional icebergs.
24	8			29.45	31	31	ENE 3	Pt. Cldy	A few small bergs.
24	12	74 40	176 51 W	29.42	31	32	E 1	do	Passed a few bergs.
24	16			29.35	31	32	E 1	Cldy	
24	20			29.33	32	32	ENE 2	do	Numerous bergs.
24	24			29.31	32	32	E 2	do	
25	4			29.27	30	32	ESE 6	do	Some fairly heavy pack ice in sight on port side. Sea smooth.
25	8			29.25	30	31	ESE 6	do	No ice. Sea rather rough.
25	12	77 00	170 53 W	29.22	31	33	E 6	do	No ice. Sea rough.
25	16			29.19	30	32	E 7	do	High sea.
25	20			29.14	30	32	ESE 7	do	Snowing since 17h. Vis. poor.
25	24			29.08	30	33	E 7	do	Snowing; high sea.
26	4			29.07	30	---	E 7	do	Snowing; high sea.
26	8			29.04	30	---	ENE 6	do	Do.
26	12	77 31	167 25 W	29.06	30	33	E 6	do	Snow ended 12h. Snow mixed with lt. rain from 8h to 12h.
26	16			29.15	31	32	NE 5	do	Fog from 13h to 15h. Sighted Barrier at 15h. Sighted the Bear at 16h.
26	20			29.15	32	32	NE 4	do	At entrance of Bay of Whales at 18:20h.
26	24			29.15	32	32	E 7	do	Occasional snow. Cruising along Barrier.
27	4			29.29	30	32	NNE 5	do	Occasional snow squalls; sea rough.
27	8			29.34	32	32	NE 4	do	Entrance of Bay full of ice. Sea moderate.
27	12			29.37	30	31	NE 5	do	
27	16			29.39	32	---	NE 5	do	
27	20	Bay of Whales		29.42	32	---	NE 4	do	Occasional snow.
27	24								
28	4			29.43	31	---	E 3	Cldy	Several bergs visible.
28	8			29.42	34	---	SE 2	do	
28	12			29.39	---	---	SE 2	do	
28	16			29.36	32	---	E 3	do	

TABLE 14.—Observations at Camp David Rockefeller, Mar. 7-20, 1929

[Elevation, 393 feet above sea level. Latitude 78° 07' S., longitude 155° 20' W.]

Date	Time	Station pressure	Temperature	Wind	Clouds	Remarks
1929	180th mer.	Inches	°F.	From m. p. h.	0-10	
Mar. 7	21:30	28.84	18.5	0	10 Ast	The camp is situated in a slight basin-like depression 2.5 miles south by east of a mountain ridge 2 miles long and 1,000 to 1,300 ft. high.
8	6:30	29.01	19.4	0	10	
8	7:30	29.03	24.8		10 St	
8	11:00	29.03	14.0	NNE 35	10	Wind variable between N and NE.
8	16:00	29.19	15.8	N 20	10	
8	19:00	29.30	14.0	W 5	10	
8	21:00	29.31	14.0	0	10 St	
9	6:30	29.30	14.9	NW 5	10	
9	9:30	29.12	15.8	NW 10	10	Fine driving snow.
9	12:00	29.02	19.4	NNE 35	10	Hvy. drift. Vis. vy. bad. Wind increased to 60-70 m. p. h. from N. Temp. between 26.6 and 19.4. Pressure fell steadily to 28.30 inches at 24h.
10	2:00	28.38	19.4	NW 20	10	Pressure at 5h, 28.58; 9:30h, 28.60; 12h, 28.82.
10	14:30	29.01	19.4	W 10	10	
10	16:00	29.04	14.0	NW 15	10	
10	17:20	29.06	-2.2	N 10	9 Cu	
10	19:45	29.06	1.4	NW 10	10 St Cu	
10	22:20	29.10	-2.2	0	0	
11	5:00	28.88	19.4	N 45	10 St	Occasional gusts up to 60 m. p. h.
11	9:30	28.90	19.4	N 45	10	Gusty.
11	10:30	28.91	19.4	N 45	10	Do.
11	11:30	28.96	19.4	N 45	10	Sun breaking through clouds.
11	14:30	29.02	19.4	NNW 20	10	Hvy. snow.
11	15:40	29.05	17.6	NNW 15	10	Do.
11	19:55	29.10	10.4	WNW 2	8 St (thin)	Occasional snow flurries from WNW. Total snowfall 8 inches; soft fluffy type.
12	2:30	29.04	10.4	NE 15	10	
12	4:30	28.98	10.4	NW 5	10	Sun up bright at 5:30h. Air calm.
12	8:00	28.90	12.2	Variable	10	
12	9:00	28.86	12.2	NW	10	Wind increasing from NW. Air filled with flying snow.
12	10:30	28.84	15.8		10	Lt. fall of fluffy snow. Sun faintly visible.
12	13:30	28.74	12.2	0	10	Hvy. fall of lt. fluffy snow.
12	15:30	28.70	12.2	0	10	Hvy. snow; large flakes.
12	19:00	28.66	12.2	0	10	Lt. snow.
12	21:00	28.60	12.2	0	10	
13	5:00	28.58	8.6	0	10	Occasional lt. snow.
13	7:00	28.62	8.6	0	10	Do.
13	9:30	28.65	12.2	0	10	Do.
13	17:00	28.70	1.4	0	9 St Cu	Blue sky in N.
13	20:00	28.70				
14	5:00	28.66	1.4	0	Few	Bright sunlight.
14	10:30	28.59	23.0	N 45	10	
14	13:10	28.56		N 35	10	Gusts of wind up to 60 m. p. h.
14	14:00	28.53		N 35	10	
14	15:30	28.50	19.4	N 35	10	
14	17:30			N 88	10	Very high winds during the night; air speed indicator on Fokker plane showed 88 m. p. h. at 17:30h. Strong gusts during the night estimated at 150 m. p. h., tore plane loose from solid moorings carrying it for ½ mile and dropping it a total wreck.
15	10:30	28.43	30.2	N 45	10	High winds during balance of day; gusts up to 60 m. p. h., diminishing in the evening. Lowest pressure 28.38 inches.
16	12:00	28.86		0	10	Lt. snow. Thin overcast.
17	7:00	29.10	1.4	0	Few	Bright sunlight.
17	11:00	29.24	1.4	W 10	7	
17	14:13	29.28	-0.4	0	10	Few flakes of snow falling.
18	6:30	29.26	-0.4	0	1 Ci, 1 CiSt	Bright sunlight.
18	9:30	29.24	10.4	0	5 St	Clear in W.
18	11:00	29.16	10.4	0	10 Ci, CiSt, St	
19	7:30	28.84	-0.4	0	0	Bright sunlight.
19	11:00	28.82	1.4	0	4 CiSt	
19	13:30	28.82	-2.2	0	4 CiSt	
19	17:30	28.82	1.4	0	6 CiSt	
20	4:00	29.00	1.4	0	9 St (thin)	Vis. good.
20	6:30	29.02	10.4	0	9 St (thin)	Do.
20	11:30	29.04				Do.
Mean.		28.912	11.3			

TABLE 15.—*Meteorological Journal of spring southern journey to 100-Mile Depot, Oct. 20-28, 1929*

Date	Time	Geographical miles S. of Little America	Temperature	Wind	Cloudiness	Remarks
1929	180th mer.		°F.	From m. p. h.	0-10	
Oct. 20	20:00	23	-10	E 10	9 St	Vy. dark water sky in N.
21	10:15	23		SE 20	10 St	Drifting snow. Vis. poor.
21	18:00	31		E 15	3 Ci	Vis. improving. Sharp drop in temp. during afternoon.
22	12:00	31		SE 20	Cldy	
22	17:00	31		E 5		22° halo at 15h.
23	7:30	45		E 20		Drifting snow.
23	12:00			S 15		
24	15:00	76	-14.8			Cook tent covered with rime.
24	19:45	76	-27.4			
24	21:00	76	-31.0	0	2 Ci	
24	23:00	76	-29.2	0		
25	7:00	76	-27.4	0	Clr	Vis. vy. good. Bright sunlight.
25	9:00	76	-20.2	0		
25	14:05		-18.4	0	Clr	Vis. good.
25	16:25	89	-11.2	0	do	Vis. good. Considerable refraction phenomena.
25	18:00	92	-20.2	0	do	Looming along horizon.
25	22:45	100	-39.7	NE 2		
26	8:30	100	-20.2	0	Clr	Vis. good.
26	11:55	100	-18.4	SE 5	2 Ci N	Hazy in S.
26	15:45		-18.4	SE 8		
26	22:30	75	-16.6	SE 5	9 St	Hazy. St breaking up at 23:10h; Ci visible above.
27	5:30	75	-11.2	S 8	5 AS	Clear overhead. Vis good
27	10:00	75		S 5	5 StCu NE	
27	12:00	63	-7.6	0	Clr	Vy. sharp drop in temp. felt when passing through a depression 5 miles wide, 53 miles S of Little America; sudden rise in temp. very apparent upon reaching higher elevation. Several haycocks.
28	3:00	36		SE 20	8 Ci	Outline of sun visible
28	6:00	36		SE 20	8 Ci NE	Lt. drift. Vis. fair. Arrived Little America 17h.

TABLE 16.—*Meteorological observations on the fall sledging journey to 155-Mile Depot, Mar. 1-31, 1934*

[Observer: Innes Taylor]

Date	Time	Camp No.	Position or geographical miles S. of Little America	Station pressure	Temperature		Wind	Sky	Elevation above sea level	Remarks
					Dry	Min.				
1934	180th mer.			Inches	°F	°F	From m. p. h.		Fest	
Mar. 1	22:30	1	10.3	28.97	-10		0	Cldy	126	
2	8:00	1	10.3	28.98	-10	-25	NE 15	do	126	
2	20:00	2	78°58' S, 163°48' W	28.73	-2		E 20	do	222	Drifting. 25-Mile Depot.
3	8:00	2	78°58' S, 163°48' W	28.44	8	-2	SE 3	do	222	Snowing.
3	20:00	3	29.7	28.29	-2		0	Clr	540	Clearing during afternoon.
4	8:00	3	29.7	28.63	-12	-18	SE 2	Pt. Cldy	540	
4	20:00	4	79°23' S, 163°48' W	28.98	8		SE 50	O'cast	124	Snow falling. Estimated fall, 6 inches. 50-Mile Depot.
5	8:00	4	79°23' S, 163°48' W	29.18	22		SE 35	do	124	Snowing.
5	20:00	4	79°23' S, 163°48' W	29.12	20		0	Pt. Cldy	124	
6	8:00	4	79°23' S, 163°48' W	29.10	4	2	0	Clr	124	
6	20:00	5	61.3	29.01	-26		SW 4	Cldy	142	
7	8:00	5	61.3	29.10	-28	-36	SW 6	Clr	142	
7	20:00	6	67	29.02	12		N 40	O'cast	190	Vy. hvy. drift.
8	8:00	6	67	28.87	20		N 25	do	190	Snowing.
8	20:00	6	67	28.75	16		N 20	Cldy	190	
9	8:00	6	67	28.78	8	6	SE 8	do	190	
9	20:00	7		28.80	-12		SE 12	do	196	
10	8:00	7		28.81	-12	-22	0	Clr	196	
10	20:00	8	80°07.5' S, 163°55' W	29.01	-6		0	Cldy	252	100-Mile Depot. (Bolling Advance Base).
11	8:00	8		29.19	-6	-12	S 4	do	252	
11	20:00	9	118.4	29.08	2		S 12	do	39	
12	8:00	9	118.4	28.85	2	-22	S 6	do	39	
12	20:00	10	80°32' S, 163°42' W	28.69	-10		S 4	Pt. Cldy	158	125-Mile Depot.
13	8:00	10	80°32' S, 163°42' W	28.61	-18	-24	NW 12	Cldy	158	
13	20:00	11	145	28.87	-22		N 6	do	211	
14	8:00	11	145	28.89	-33	-47	NW 4	Clr	211	
14	20:00	12	80°54' S, 161°58' W	29.01	-12		N 6	Cldy	219	155-Mile Depot.
15	8:00	12	80°54' S, 161°58' W	28.92	-10	-20	N 25	O'cast	219	Drifting snow.
15	20:00	12	80°54' S, 161°58' W	28.80	-9		N 14	do	219	
16	8:00	12	80°54' S, 161°58' W	28.82	-13	-21	SE 0	Cldy	219	
16	20:00	13	139.5	28.98	-10		SE 8	Pt. Cldy	208	

TABLE 16.—*Meteorological observations on the fall sledging journey to 155-Mile Depot, Mar. 1-31, 1934—Continued*

Date	Time	Camp No.	Position or geographical miles S. of Little America	Station pressure	Temperature		Wind	Sky	Elevation above sea level	Remarks
					Dry	Min.				
1984	180th mer.			Inches	°F	°F	From m. p. h.		Feet	
Mar. 17	8:00	13	139.5	29.11	-30	-54	0	Clr.	208	
17	20:00	14	80°32' S, 163°42' W	29.27	-28		0	do	188	125-Mile Depot.
18	8:00	14	80°32' S, 163°42' W	29.30	-18	-45	E 6	Cldy	188	
18	20:00	14	80°32' S, 163°42' W	29.29	-26		E 3	Clr.	188	
19	8:00	14	80°32' S, 163°42' W	29.28	-13	-36	ESE 12	Cldy	188	
19	20:00	15	110	29.18	-10	-14	NE 15	O'cast	223	Snowing and drifting.
20	8:00	15	110	29.02	-12	-14	N 8	Clr.	223	
20	20:00	15	110	29.00	-9		0	do	223	
21	8:00	15	110	28.78	-19	-28	W 15	do	223	Drifting snow.
21	20:00	16	80°07.5' S, 163°55' W	28.76	-25	-32	NW 15	Cldy	268	At Bolling Advance Base.
22	8:00	16	80°07.5' S, 163°55' W	28.78	-46	-52	0	Clr.	268	
22	20:00	16	80°07.5' S, 163°55' W	28.70	-44	-51	0	do	268	
23	8:00	16	80°07.5' S, 163°55' W	28.92	-54	-60	SE 1	Pt. Cldy	268	
23	20:00	16	80°07.5' S, 163°55' W	29.01	-43	-50	SE 3	do	268	
24	8:00	16	80°07.5' S, 163°55' W	28.90	-15	-30	W 35	Cldy	268	Hvy. drift.
24	20:00	16		28.92	-12		W 30	do	268	Do.
25	8:00	16	80°07.5' S, 163°55' W	29.34	-42	-48	SW 10	Clr.	268	
25	20:00	17	87.5		-28	-37.5	SW 6	Pt. Cldy		Aneroid barometer left at Advance Base.
26	8:00	17	87.5		-13	-24	NE 10	O'cast		
26	20:00	17	87.5		0		NE 35	do		Drifting snow.
27	8:00	17	87.5		-38	-43	NW 18	Clr.		Do.
27	20:00	18	75		-40		NW 30	Pt. Cldy		Hvy. drift. 75-Mile Depot.
28	8:00	18	75		-27	-34	0	Clr.		
28	20:00	19	55		-13		0	do		
29	8:00	19	55		-41	-61	0	do		
29	20:00	20	34		-20	-22	0	do		
30	8:00	20	34		-12	-14	N 30	Cldy		Drifting snow.
30	20:00	20	34		-7		N 45	do		Vy. hvy. drift.
31	8:00	20	34		-13	-18	E 4	do		
31	20:00	21	Little America		-12		0	do		

TABLE 17.—*Meteorological observations on the fall tractor journey to Bolling Advance Base, Mar. 16-29, 1934*

Date	180th	Geographical miles S. of Little America	Station pressure	Temperature		Wind		Cloudiness	Remarks
				Dry	Min.				
1884	Mer. Time		Inches	°F.	°F.	From	m.p.h.	0-10	
Mar. 17	2:00	25	29.03	-36	-----	SSW	8	0-----	Haze to N. Max. wind 15 m. p. h. at 0h.
17	20:30	50	29.12	-24	-----	W	5	4 Ci-----	Wind NE 10 until 18h.
18	10:00	50	29.13	6	-31	E	20	5 ACu-----	Lt. drift. Wind changed to E during night and rose to 30 m. p. h.
18	21:00	50	29.18	-6	-----	E	23	2 ACu-----	Lt. drift. Vis. good.
19	10:00	50	29.16	9	-6	NE	23	0'cast-----	Lt. drift. Vis. poor.
19	16:00	50	29.12	5	-----	W	15	---do-----	Wind changed from NE to W at 16h. Hazy to W. Vis. fair.
20	8:00	66	29.98	-----	-----	NE	3	---do-----	Wind NE 20 m. p. h. during night with drift.
21	9:00	93	28.57	-41	-----	N	18	3 Ci, ACu-----	Estimated min. temp. -50° F.
21	17:00	100	-----	-30	-----		0	0'cast-----	Brisk wind until 17h. Overcast since noon; clearing at 24h. At Bolling Advance Base.
22	8:00	100	28.78	-46	-52		0	0-----	
22	20:00	100	28.70	-44	-51		0	0-----	
23	8:00	100	28.92	-54	-60	SE	1	Pt. Cldy-----	
23	20:00	100	29.01	-43	-----	SE	3	---do-----	
24	8:00	100	28.90	-15	-----	W	35	0'cast-----	Hvy. drift.
24	20:00	100	28.92	-12	-28	W	30	---do-----	Do.
25	12:00	100	29.26	-40	-----	WSW	10	0-----	Vis. good.
26	20:00	100	28.89	-23	-----	WNW	23	0'cast-----	Drifting snow. Vis. vy. poor. Lt. snow during morning.
27	9:00	100	28.82	-42.5	-43	N	12	0-----	Vis. fair. Hazy on horizon.
27	21:00	100	-----	-48.5	-----	NW	15	0-----	
28	9:00	100	28.96	-48	-54	N	5	Few-----	Clouds on horizon. Viz. good.
28	21:00	75	28.88	-60	-----		0	0-----	Vis. good in bright moonlight.
29	13:30	-----	-----	-----	-----	-----	-----	-----	Arrived Little America.

TABLE 18.—Meteorological observations on the eastern tractor journey, Sept. 27 to Oct. 12, 1934

[Observer: Kennett Rawson]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind	Cloudiness	Visiblity	Elevation above sea level	Remarks	
			Lat. S.	Long. W.		Dry	Min.						
1934 Sept. 27	180th mer. 20:00	1	° 78	' 30	° 160	' 50	Inches 28. 60	°F. -37	°F.	From 0-12 NE	0-9 0	Feet 7 380	High wind at 14h; max vel. force 6. Surface smooth and soft.
28	7:00	1	78	30	160	50	28. 54	-20	-42	NE 1	0	6 380	Hazy. Sastrugi trend, SE NW. Surfaces rough.
28	20:00	2	78	28	159	08	28. 48	-22		NW 2	St	0 395	Lt. snow. Surface vy. rough. Sastrugi SE-NW
29	4:45	2	78	28	159	08	28. 57	-32	-34	E 2		7 395	Sastrugi SE-NW; surface rough.
29	20:00	3	78	24	156	03	28. 58	-15		E 1	O'cast	2 378	Surface smooth. 90 - mile Depot.
30	9:00	3	78	24	156	03	28. 59		-24	0	Hvy. St	6 378	
30	20:00	4	78	21	154	22	28. 37	-15		N 3	do	4 433	Evidence of high winds from several directions. Crevasse Camp.
Oct. 1	8:00	4	78	21	154	22	28. 42	-18	-22	0	do	2 433	Fog. Surface smooth. Wind during night, N force 6. At Crevasses on Barrier at foot of Plateau.
2	5:00	4	78	21	154	22	28. 52	-29	-43. 5	0	0	7 433	
3	9:00	5	78	23	152	12	26. 20	-8		N 2	St. N	6 2, 339	At 150-Mile Depot. Sastrugi NNE-SSW. High wind during yesterday afternoon and night.
3	20:00	6	78	21	149	45	25. 02	-5		NE 8	O'cast	3, 336	Surface rough. At 180-mile Depot.
4	12:00	6	78	21	149	45	24. 75	-6	-8	NE 6	do	0 3, 336	Hvy. snow. Wind up to force 9 during night.
4	20:00	6	78	21	149	45	24. 64	-6		NE 8	do	3, 336	Hvy. snow.
5	10:00	6	78	21	149	45	24. 54	4	-6	NE 8	do	0 3, 336	Hvy. snow and hvy. drift.
5	15:00	6	78	21	149	45	24. 40	6		NE 8	do	0 3, 336	Do.
5	20:00	6	78	21	149	45				E 11			Hvy. drift. Wind increasing.
6	15:00	6	78	21	149	45	24. 59			E 7	O'cast	0 3, 336	Hvy. snow. Hvy. drift. Wind E force 12 at 18h.
6	20:00	6	78	21	149	45	24. 82	-10		E 2	do	1 3, 336	Mod. snow and drift.
7	12:00	6	78	21	149	45	25. 09	-8	-15	NNE 4	do	0 3, 336	Do.
7	15:00	6	78	21	149	45	25. 19	-8		NNE 3	do	1 3, 336	Mod. snow.
7	20:00	6	78	21	149	45	25. 22	-11		NNE 4	do	0 3, 336	Snowing.
8	10:00	6	78	21	149	45	25. 06	0	-11	NNE 6	do	0 3, 336	Snowing. Hvy. drift.
8	16:00	6	78	21	149	45	25. 04			NNE 8	do	0 3, 336	Do.
8	20:00	6	78	21	149	45	24. 93			NNE 11	do	0 3, 336	Hvy. snow. Hvy. drift.
9	10:00	6	78	21	149	45	25. 02	0	0	NE 6	do	0 3, 336	
9	16:00	6	78	21	149	45	25. 03			NE 6	do	0 3, 336	Snowing.
10	10:00	6	78	21	149	45	25. 17	2	-5	NE 2	St	3, 336	Lt. snow; clearing.
10	13:00	6	78	21	149	45	25. 13	2		NE 2	Pt. Cldy	3, 336	Clouds breaking. Occasional sunshine.
10	21:00	7	78	19	149	03	24. 91			NE 1	do	3, 530	At 189-Mile Camp.
11	8:00	7	78	19	149	03	24. 86	2	-6	NE 1		8 3, 530	Clearing.
11	20:00	8	77	55	148	17	25. 80	10	-6	NE 1	Pt. Cldy	9 2, 512	At Mt. Grace McKinley.
12	8:00	8	77	55	148	17	25. 76	10	-6			2, 512	Do.
12	20:00	9					25. 70	-10				2, 478	

TABLE 19.—*Meteorological Journal of Marie Byrd Land Party, Oct. 14 to Dec. 25, 1934*

[Observer: Paul Siple]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind	Cloudiness	Clouds	Elevation above sea level	Remarks			
			Lat. S.	Long. W.		Dry	Min.								
1934	180th mer.		°	'	°	'	Inches	°F.	°F.	From	m.p.h.	0-10		Feet	
Oct. 14	18:00	1	78	33	163	00	28.30	4.4	0.2	E	12	10	St-----	146	Lt. drift; snowing most of day.
15	11:25	1	78	33	163	00	28.25	8.0	-----	W	2	10	St-----	146	Clearing to SW.
15	19:30	2	78	32	162	25	28.30	0	-----	E	4	10	St-----	144	
16	7:50	2	78	32	162	25	28.35	3.0	-6.2	NNW	13	9	StCu-----	144	Lt. snow and drift.
16	22:00	3	78	31	161	45	28.35	-11.0	-----	E	3	10	St-----	209	Sky cleared to 3 Ci and ACu; 22° halo and upper zenithal arc.
17	9:00	3	78	31	161	45	28.35	-18.7	-----	E	10	5	St, CiCu--	209	
17	23:00	4	78	31	161	12	28.20	-17.5	-----	SE	-----	10	St-----	284	Lt. snow since 15h.
18	10:00	4	78	31	161	12	28.35	-16.0	-22.0	ESE	10	10	St-----	284	Lt. drift D.A. Temp. rose to -5.0 during morning.
18	14:00	4	78	31	161	12	28.40	-9.0	-----	NW	2	9	St-----	284	
18	18:30	4	78	31	161	12	28.40	-18.5	-----	WNW	8	10	St-----	284	
19	8:00	4	78	31	161	12	-----	-18.0	-46.0	SE	2	9	St-----	284	
19	12:00	5	78	30	160	50	28.65	-20.8	-----	SE	5	4	ACu-----	236	
19	22:00	6	78	30	160	31	28.55	-40.0	-----	SE	8	0	0-----	208	
20	8:00	6	78	30	160	31	28.35	-25.5	-40.5	SE	30	0	0-----	208	Hvy. drift.
20	19:00	6	78	30	160	31	28.45	-36.0	-----	SE	30	0	0-----	208	
21	12:00	6	78	30	160	31	27.80	-3.0	-25.0	S	8	9	St-----	208	
21	24:00	7	78	28	159	07	27.95	-22.5	-----	W	20	10	CiSt-----	330	Lt. drift.
22	11:30	7	78	28	159	07	28.30	-13.0	-24.5	WNW	15	10	CiSt-----	330	Hazy. 22° solar halo.
22	22:00	8	78	28	158	05	28.60	-27.0	-----	NW	20	0	0-----	241	Sky clear since 12h.
23	8:00	8	78	28	158	05	28.60	-13.0	-32.3	W	5	10	St-----	241	
23	21:30	9	78	25	156	38	28.60	-7.5	-----	E	5	10	St-----	206	Sighted Rockefeller Mts.
24	8:00	9	78	25	156	38	28.55	1.0	-8.0	E	5	10	St-----	206	
24	24:00	10	78	23	155	23	28.25	-5.2	-----	E	5	10	St-----	328	Vy. lt. snow. St. are vy. low.
25	11:30	10	78	23	155	23	28.25	8.5	-8.9	-----	-----	10	-----	328	Lt. snow.
25	17:00	11	78	22	155	00	28.25	-8.0	-----	W	4	8	-----	351	Lt. snow and fog.
25	21:30	12	78	22	154	43	28.20	-9.0	-----	W	5	9	-----	402	Lt. snow.
26	10:00	12	78	22	154	43	28.30	-4.0	-10.0	W	8	10	St-----	402	About 2 inches of snow fell during night.
26	19:00	12	78	22	154	43	28.35	-10.0	-16.0	SW	4	9	St-----	402	Clearing in SW.
26	22:00	12	78	22	154	43	28.30	-30.0	-----	SW	15	5	ACu-----	402	Hazy. Lt. drift.
27	8:00	12	78	22	154	43	28.50	-18.0	-37.0	E	3	5	Ci-----	402	22° and 46° solar halo.
27	21:00	13	78	28	154	15	28.65	-35.5	-----	S	5	2	Ci S-----	476	Ice crystals falling at 16h.
28	8:00	13	78	28	154	15	28.50	-12.0	-36.5	E	5	8	St-----	476	Clearing in SE.
28	23:00	14	78	27	153	48	27.40	-3.0	-----	E	5	9	Ci-----	1,028	Mod. drift during afternoon.
29	8:00	14	78	27	153	48	27.40	-7.0	-8.0	SE	-----	5	Ci-----	1,028	Cloud bank to NE over Ford range.
29	16:00	15	-----	-----	-----	-----	27.02	-22.0	-----	W	5	3	Ci-----	1,461	
29	22:00	16	78	24	152	50	26.55	-30.5	-----	-----	0	3	Ci-----	1,812	
30	8:00	16	78	24	152	50	26.75	-16.5	-31.5	E	3	8	Ci-----	1,812	
30	15:30	17	78	23	152	12	26.15	-18.0	-----	E	5	3	Ci-----	2,273	At 150-Mile Depot.
30	23:30	18	78	22	151	37	25.55	-31.0	-----	E	5	Few	Ci-----	2,703	
31	12:00	18	78	22	151	37	25.50	-5.0	-31.0	E	8	0	0-----	2,703	
31	17:00	19	-----	-----	-----	-----	25.11	-11.0	-----	NE	10	1	Ci W-----	3,064	
31	23:30	20	78	22	150	20	24.82	-19.0	-----	E	5	Few	Ci-----	3,256	
Nov. 1	8:30	20	78	22	150	20	24.87	-7.0	-19.0	E	8	Few	Ci-----	3,256	
1	20:30	21	78	19	149	00	24.44	-27.0	-----	NE	3	Few	Ci W-----	3,614	
2	8:30	21	78	19	149	00	24.33	-2.0	-27.0	NE	5	0	0-----	3,614	
2	21:15	22	78	11	147	40	25.95	-22.0	-----	SE	18	0	0-----	2,423	Lt. drift.
3	8:00	22	78	11	147	40	26.10	-7.0	-25.0	E	8	Few	Ci W-----	2,423	
3	10:30	23	77	56	148	10	26.25	-1.0	-----	-----	0	9	St W-----	2,358	Camped at Mt. Grace McKinley.
4	7:30	23	77	56	148	10	26.25	16.0	-1.0	S	1	10	St-----	2,358	
4	21:00	23	77	56	148	10	26.15	1.0	-1.5	E	2	10	St-----	2,358	
5	7:30	23	77	56	148	10	26.10	8.0	-1.0	W	5	9	St-----	2,358	
5	20:30	23	77	56	148	10	26.20	1.0	-1.0	W	5	9	ASt-----	2,358	
6	7:30	23	77	56	148	10	26.25	16.5	-1.0	W	4	10	ASt-----	2,358	Lt. snow.
6	21:00	23	77	56	148	10	26.38	-6.0	-----	E	5	8	ACu-----	2,358	
7	7:30	23	77	56	148	10	26.25	-1.0	-8.0	NW	10	10	St-----	2,358	
7	24:00	23	77	56	148	10	26.10	-6.0	-8.0	N	20	10	St-----	2,358	Lt. snow and fog.
8	7:30	23	77	56	148	10	26.10	-1.0	-8.0	N	25	10	St-----	2,358	Lt. snow and fog. Lt. drift.
8	21:00	23	77	56	148	10	26.05	-7.0	-7.0	SE	10	9	Ci, St, Ast S-----	2,358	Lt. fog.
9	7:30	23	77	56	148	10	26.20	0	-11.0	SE	25	10	CiSt-----	2,358	Lt. drift.
9	23:30	24	77	56	147	58	26.30	-4.0	-----	SE	10	9	Ast-----	2,417	Clear in SE.
10	7:30	24	77	56	147	58	26.20	0	-6.0	E	10	3	Ci-----	2,417	Iridescent clouds.
10	21:00	25	77	48	147	38	26.40	-13.0	-----	SE	35	-----	-----	2,004	Hvy. drift.

TABLE 19.—*Meteorological Journal of Marie Byrd Land Party, Oct. 14 to Dec. 25, 1934—Continued*

[Observer: Paul Siple]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind	Cloudiness	Clouds	Elevation above sea level	Remarks
			Lat. S.	Long. W.		Dry	Min.					
1934	1800h mer.		°	'	Inches	°F.	°F.	From m.p.h.	0-10		Feet	
Nov. 11	7:30	25	77 48	147 38	26.30	-7.0		SE 15	4	Ci NE	2,004	
12	7:30	25	77 48	147 38	26.20	-9.0	-17.0	SE 30			2,004	Mod. drift.
12	23:00	26	77 39	147 13	26.10	-13.0		SSE 25	1	ACu	1,877	Lt. drift. Clear in SE.
13	7:30	26	77 39	147 13	26.18	-3.0	-13.1	SSE 15	6	Ci	1,877	
13	22:30	27	77 29	146 50	27.25	0		S 15	4	Ci	1,659	At Haines Mts.
14	7:30	27	77 29	146 50	27.30	25.5	0		1	Ci	1,659	
14	15:00	27	77 29	146 50		6.0			0	0	1,659	
14	22:30	27	77 29	146 50		-8.0			3	Ci	1,659	
15	7:30	27	77 29	146 50	26.65	6.0	-11.0		0	Ci	1,659	
15	12:00	27	77 29	146 50	26.61	5.0	5.0		0	Ci NW	1,659	Drift to W in afternoon. Gusty; wind varying from 0 to 50 m. p. h.
16	11:00	27	77 29	146 50	26.20	-1.0		N Gusty	0	0	1,659	
16	24:00	27	77 29	146 50	26.35	2.5	-3.5	E 12	Few	Ci	1,659	
17	7:30	27	77 29	146 50	26.60	5.0	-4.0	NE 14	9	StCu	1,659	
17	22:00	27	77 29	146 50	26.62	4.5	-3.0	SE 15	0	0	1,659	Gusty most of day. Overcast until 16h. Max temp. 16.0.
18	7:30	27	77 29	146 50	26.50	5.0		SE Gusty	0	0	1,659	At Haines Mts.
19	7:30	27	77 29	146 50	26.60	12.0	-7.5		1	CiSt	1,659	
19	23:30	28	77 17	145 51	27.70	14.0		N 8	2	ACu	779	At Mt. Donald Woodward.
20	7:30	28	77 17	145 51	27.95	18.0		NE 3	8	ASt	779	Clear in SW.
20	21:00	28	77 17	145 51	28.10	13.5	9.5	E 10	1	ASt	779	
21	7:30	28	77 17	145 51	28.08	22.0	10.0	E 12	5	ACu	779	
22	22:00	29	77 08	145 33	27.35			E 25	10	ASt	1,214	At Mt. Cooper. Thermometer blew away.
23	23:30	30	76 58	145 27	27.20			NE 5	3	ACu		
24	8:30	30	76 58	145 27					3	CiSt		Barometer taken with Wade.
25	9:30	31	76 48	145 24				NE 30	10	ASt		
25	22:30	31	76 48	145 24				NE 4	9	ASt		At Mt. Stanciliff.
26	9:00	31	76 48	145 24				N 2	10	ACu		Fog coming in from N.
26	18:00	32	76 45	145 35				E 3	10	Dn. Fog		At Crevasse Valley.
27	9:00	32	76 45	145 35					2	St		Hvy. snow (2 to 3 inches).
27	23:30	33	76 36	145 05					6	CiSt		
28	9:00	33	76 36	145 05				E 15	6	Ci, ACu		Lt. drift.
28	21:00	34	76 33	144 46				NE 10	6	ACu		Overcast most of afternoon. At "volcano" in R. Fosdick Mts.
29	8:30	34	76 33	144 46				N 38	10	CiSt		Fog and drift.
30	9:00	34	76 33	144 46				N 45	6	ACu		Hvy. drift.
30	19:00	34	76 33	144 46				N 45	6	ACu		Do.
Dec. 1	8:00	34	76 33	144 46				NE 50	10	CiSt		Do.
1	19:30	34	76 33	144 46				NE 45	10	CiSt		Hvy. drift. At Mt. Haines.
2	7:30	34	76 33	144 46					6	CiSt		At Mt. Haines.
2	21:00	35	76 45	145 32				E 4	4	CiSt		Crevasse Valley, between Mt. Saunders and Chester Mts.
3	7:30	35	76 45	145 32					0			
3	22:30	36	76 49	145 42				NE 5				At Mt. Stanciliff.
6	18:00	37	77 29	146 50	27.30				0	Ci W	1,828	At Haines Mts.
11	8:00	38			25.25	17.6		S 5			3,701	
11	18:00	39	78 11	147 40	25.02	10.0		S 10	8	ACu	3,932	
12	11:00	39	78 11	147 40	25.02	10.0		N 5	5	ACu, Cu	3,932	Vy. lt. snow during night.
12	18:00	40	78 19	149 08	24.71	2.0		NE 5		ACu NW	4,293	
13	10:00	40	78 19	149 08	24.71	10.0		SE 10	9	St	4,293	Hvy. snow.
13	17:30	41	78 22	149 45	24.82	8.0		SE 10	9	St	4,229	Do.
14	18:00	42	78 22	151 44	25.75	9.0		S 5	10	St	3,246	
15	18:00	43	78 12	152 20	26.29	11.0		SW 5	1	ACu	2,783	Fog about Rockefeller.
18	19:00	44	78 07	155 25	28.15	17.6		N 5	8	ACu	877	At Mt. Helen Washington.
22	10:00	44	78 07	155 25	27.70	34.0		N 15	10		877	Hvy. snow.
23	21:30	45	78 21	156 03	28.30	6.8		NW 18		ASt SE, Ci NW	871	Lt. drift. Overcast in early morning.
24	18:30	46	78 23	157 15	28.00	8.6		W 5	9	ASt	830	Lt. drift from SSW.
25	23:00	47	78 26	158 50	27.75	21.2		E 10	9	ASt	899	

TABLE 20.—*Meteorological journal of "Queen Maud" geological party, Oct. 16, 1934, to Jan. 11, 1935*

[Observer: Quin Blackburn]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind	Cloudiness	Elevation above sea level	Remarks
			Lat. S.	Long. W.		Dry	Min.				
1934	180th mer.		°	'	°	'		From m. p. h.		Feet	
Oct. 16	8:45	1	78 34.1	163 56	28.49	8	-----	NW 14	10 St NW	46	At Little America.
16	14:30	2	78 37	163 56	-----	6	-----	NNW Lt.	ASt	-----	Left Little America at 11h together with the Rockefeller Plateau Party. 46° solar halo at 17h. Low St at 22h.
16	20:17	3	78 45	163 56	28.48	-10.5	-----	0	CiCu	98	
17	8:00	3	78 45	163 56	28.47	0	-10.5	NE Lt.	-----	98	
17	20:00	4	78 55	163 56	28.45	-6	-----	12	O'cast	122	Snowing. Lt. drift. Looming to SW during afternoon.
18	8:30	4	78 55	163 56	28.51	-3	-16	0	do	122	Lt. snow during night.
18	12:35	5	78 59	163 56	-----	-----	-----	-----	do	-----	Lt. snow.
18	20:00	6	79 04	163 56	28.11	-27	-----	SSE 3	-----	554	Clear since 16h.
19	8:00	6	79 04	163 56	28.26	3	-36	SE 1	St O'cast	554	Lt. snow in small flakes during night.
19	20:00	7	79 19	163 56	28.28	-25	-----	E 10	StCu	493	Lat. 79°18'5". Encountered small sastrugi with hard crusty surface.
20	8:00	7	79 19	163 56	28.08	-16	-29	E 22	-----	493	Lt. drift.
20	18:30	7	79 19	163 56	27.83	-20	-----	SE 30	-----	493	Mod. drift.
21	8:00	7	79 19	163 56	27.61	-18	-30	SE 15	O'cast	493	
21	19:00	8	79 31	163 04	27.86	-22.5	-----	NW 15	do	376	Hard smooth surface.
22	8:00	8	79 31	163 04	-----	-19	-30	NW 3	-----	-----	Clear and cold.
22	20:00	9	79 45	163 27	28.62	-22	-----	SW 3	-----	186	Shower of ice crystals and halo at 12h. Sastrugi rougher; show SE winds predominate. St at 16h.
23	8:00	9	79 45	163 27	28.71	-13	-39	0	Hazy	186	Sun visible through haze all day.
23	20:00	10	80 02	163 45	28.55	-27	-----	NE Lt.	Ci O'cast	236	Sastrugi more pronounced.
24	8:00	10	80 02	163 45	28.52	0	-33	SE 6	-----	236	Lt. snow.
24	11:30	11	80 07.5	163 55	-----	-3	-----	E 4	-----	-----	At Bolling Advance Base.
24	20:00	11	80 07.5	163 55	28.40	-10	-----	SE 5	-----	202	Lt. snow.
25	9:00	11	80 07.5	163 55	28.38	-6	-12	S Lt.	Ci	202	
25	13:45	11	80 07.5	163 55	-----	-18	-----	NW 4	-----	-----	Clear.
25	20:00	12	80 13	163 50	28.36	-34	-----	NW Lt.	Ci Lt	271	Rough sastrugi. Flags from last fall still visible.
26	8:00	12	80 13	163 50	28.38	-27	-45	W 10	Ci, ASt	271	Hazy to W. Lt. drift.
26	21:00	13	80 23	163 46	28.47	-40	-----	NW 3	Ci	274	
27	8:00	13	80 23	163 46	-----	-36	-45	SW 2	Few St	274	Clear. St on horizon in N and E.
27	18:00	14	80 36	163 23	28.91	-40	-----	NW 4	St WNW	171	St coming up rapidly. 80°32'—163°43' at 13:15.
28	10:00	14	80 36	163 23	28.92	-25	-41	E 18	-----	171	Clear. Solar halo. Temp. -31 at 7h. Lt. drift.
28	18:00	15	80 46	162 18	28.78	-25	-----	SE 25	-----	13	Lt. drift.
29	8:00	15	80 46	162 18	28.50	-25	-----	S 20	-----	13	Lt. drift. Sun shining.
29	22:00	16	80 59	161 00	28.52	-38	-----	SW 8	Ci	217	80°50'—161°52' at 18h.
30	9:25	16	80 59	161 00	28.57	-27	-----	W 10	Ci	217	
30	21:40	17	-----	-----	28.51	-40	-----	N Lt.	Thin St	125	Looming in SW.
31	9:45	17	-----	-----	28.46	-22	-43	E 15	Clr	125	Came upon crevasses transverse to trail extending ENE to WSW.
31	20:10	18	81 22	161 24	28.33	-35	-----	SSW 12	-----	182	Crossed 2 filled trenches about 30 feet wide. In last one was a huge gaping hole with corniced edges; inadvisable to get close enough to view depth. The roof appeared to be at least 20 feet thick. About 8 miles out from morning camp there appeared to the W several cliffs or slashes in the otherwise fairly regular barrier surface, another indication of pressure disturbances in this area.
Nov. 1	8:00	18	81 22	161 24	28.30	-20	-39	S 12	O	182	Back tracked 14 miles to warn tractor party. Plateau Party remained camped here.

TABLE 20.—*Meteorological journal of "Queen Maud" geological party, Oct. 16, 1934, to Jan. 11, 1935—Continued*

[Observer: Quin Blackburn]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind	Cloudiness	Elevation above sea level	Remarks
			Lat. S.	Long. W.		Dry	Min.				
1934 Nov. 1	1800h mer. 23:00	19	81 08	161 15	Inches 28.30	°F. -27	°F.	From m. p. h. SW 2	Ci	Feet 167	Crevasse area is about 173.8 miles S of Little America and extends S for about 3 miles with crevasses, cracks, and trenches trending ENE. Mostly clear.
2	11:00	19	81 08	161 15	28.47	-19	-38	N Lt.	Ci	167	Mostly clear.
2	21:30	19	81 08	161 15	28.57	-34		NNE 2	0	167	
3	8:35	19	81 08	161 15	28.75	-21	-45	NE 3	Lt. Ci	167	Mostly clear.
3	12:00	20	81 09	161 07	28.71	-34		SE 5	Fog	180	
4	8:00	20	81 09	161 07	28.66	-11	-35	SE Lt.	Lt. St	180	
4	23:30	20	81 09	161 07		-35				180	
5	22:30	20	81 09	161 07	28.63	-36		NW 2	0	180	
6	8:30	20	81 09	161 07	28.68	-16	-39	SE 1	O'cast	180	Foggy. Rockefeller Plateau Party leaves to travel eastward.
6	21:50	21	81 16	161 20	28.68	-18		SE 8	do	193	Fog all day. All exposed equipment covered with rime. Numerous haycocks. Many crevasses.
7	8:30	21	81 16	161 20	28.67	-8		N 10	do	193	
7	20:30	22	81 29	160 45	28.51	-16		SW 5	do	178	Fog and shower of ice crystals in mid-afternoon. Halo at 20h.
8	6:40	22	81 29	160 45	28.52	-4	-28	SE 25	do	178	Blizzard at 10:25h. Low St. at 12h.
8	22:55	23	81 41	159 51	28.61	-18		SE 1	StCu, ACu	162	Mostly clear since 11h.
9	8:00	23	81 41	159 51	28.78	3	-21	S 8	O'cast	162	
9	20:20	24	81 56	159 15	28.88	-2		SE 6	AST	143	O'cast all day.
10	8:15	24	81 56	159 15	28.80	-5	-11	SW 2	Lt. St	143	
10	22:50	25	82 22	158 45	28.40	-23		SW 6	0	340	Mostly clear all day. Sas-trugi prominent, especially some of recent origin produced by SE wind.
11	10:15	25	82 22	158 45	28.12	-13	-32	SW 4	Lt. Ci	340	Ci in S.
12	0:30	26			28.12	-27.4		SSE 5		275	
12	10:00	26			28.05	-9.4		NE 3	Low Ci	275	
12	21:00	27	83 02	157 15	28.05	-10		SSE	Lt. Ci	91	
13	14:15	27	83 02	157 15	28.12	-5.8		S 30		91	Mod. drift until 19h.
13	22:40	27	83 02	157 15	28.35	-14		SSE 12	St	91	St on S horizon.
14	5:30	27	83 02	157 15	28.46	-10	-15	S 2	Lt. Ci	91	Wind moderated at 3:30. Mostly clear; sunny. Ci in NW.
14	19:37	28	83 18	156 45	28.45	1		SSE 14	St	217	Supporting party turned back. Sas-trugi crosshatched; recently from SE; from 6 to 12 inches high with low flat domes and anticlines. St on SW horizon. 83°03'—156°30' at 10h.
15	8:25	28	83 18	156 45	28.48	-3		SE 13	0	217	
15	22:00	29	83 34	155 36	28.28	-3.5		S 12	0	206	Elevation apparently increasing immediately after leaving morning camp. Mountains sighted at 15h.
16	8:45	29	83 34	155 36	28.25	-3	-8	S 18		206	
16	19:00	30	83 43	155 06	28.07	10		SE 30	St	137	20 to 25 mile wind all day. Mod. drift. St in S and SE.
17	14:00	30	83 43	155 06	28.50	13		SE 20	AST	137	Lt. drift. Wind up to 50 m. p. h. until 13h.
17	21:05	30	83 43	155 06	28.51	4		SE 15	AST SW	137	Sunshine.
18	8:45	30	83 43	155 06	28.37	13	0	SE 18	3 Ast, Ci	137	Arrived 350-Mile Depot (403 statute miles) at 16h. Cracks and pressure about 1/2 mile beyond beacon. Position 83°58' S—154°30' W at 20h.
19	4:00	31	83 57	154 20	28.08	10		SE 15	Ci	369	Encamped within pressure area.
19	10:00	31	83 57	154 20	28.15	14		SE 20	Ci	369	

TABLE 20.—*Meteorological journal of "Queen Maud" geological party, Oct. 16, 1934, to Jan. 11, 1935—Continued*
 [Observer: Quin Blackburn]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind		Cloudiness	Elevation above sea level	Remarks
			Lat. S.	Long. W.		Dry	Min.	From	m. p. h.			
1934	180th mer.		°	'	Inches	°F.	°F.				Feet	
Nov. 19	21:30	32	84	10	154 45	28. 18	8	SE	12	Lt. St.-----	377	Worked through 7 miles of chasms and crevasses, trending SE to NW.; numerous monoclinical ridges and hogbacks. The sastrugi has a definite SE trend; apparently eroded; often etched in echelon.
20	8:00	32	84	10	154 45	28. 30	4	SE	Lt.	Ci NW-----	377	
20	21:00	33	84	28	153 45	28. 42	8	S	Lt.	St SW-----	496	Long rolls in the barrier surface, the axis trending E and W. Crossed a prominent and open (3 feet wide) crack extending E and W. About 200 miles of Queen Maud Range front in sight.
21	5:40	33	84	28	153 45	28. 42	5	SE	5	Few St.-----	496	Sky almost cloudless; low St in SE.
21	23:45	34	84	50	151 15	28. 27	-2				592	Surface rough; hard low sastrugi with ESE trend. Crossed many filled in, solidly bridged, crevasses trending N and S. Many were 20 to 30 feet wide, had the appearance of sunken highways extending for miles. The giant rolls are rising to 100 feet above the troughs and with crests 2 to 10 miles apart.
22	17:30	34	84	50	151 15	27. 99	7	SSW	8	3 Ast SE---	592	Wind S 2 m. p. h. from 0h to 4h; then changed to W and increased. Crossed many large, filled crevasses; NE-SW trend. High wind gradually becoming ESE.
23	24:00	35	85	16	148 46	28. 44	16	E	10	St ESE---	199	Max. wind 35 m. p. h. with hvy. drift at 10:30h. At Mountain Base.
24	19:00	35	85	16	148 46	-----	26	E	20	O'cast.-----	199	Wind blew up to 50 m. p. h. at times; decreased to 18 m. p. h. by 17h.
25	0:30	35	85	16	148 46	28. 31	22	E	28	---do-----	199	Drifting snow.
25	5:00	35	85	16	148 46	28. 43	22				199	Clearing. Max. wind 50 m. p. h. at 2h.
25	20:40	35	85	16	148 46	28. 69	11	E	18	O'cast Ast.	199	Lt. drift.
26	8:45	35	85	16	148 46	28. 75	17	E	15	-----	199	Lt. drift. Sunshine.
26	20:45	36	85	27	147 40	28. 47	10	E	Lt.	Ci W-----	531	At foot of Supporting Party Mt. Encountered rippled snow surface and patches of hard blue ice in some cases pitted, rough, and rippled.
27	5:15	36	85	27	147 40	28. 44	13	E	6	1 Ci-----	531	
27	20:00	36	85	27	147 40	28. 37	-----				531	
28	4:15	36	85	27	147 40	28. 34	14	SW	2	9 Ci-----	531	
28	21:50	37	85	30	151 10	28. 12	14	ESE	15	Lt. Ci-----	717	Solar halo. Crossed 7 miles of rippled ice; a few filled crevasses. Traversed a wide depression ending in a very smooth snow surface, almost no sastrugi, at about 2 miles E of Durham Point.
29	8:30	37	85	30	151 10	28. 11	16	ESE	18	Ci, Ast.---	717	Lt. drift.
29	18:15	38	85	38	151 55	27. 18	16	E	20	Ast, StCu---	1,560	At foot of Mt. Hamilton.
30	7:25	38	85	38	151 55	-----	27	N	Lt.	0-----	1,560	Vis. excellent.
30	20:00	39	85	57	151 14	26. 19	15	S	16	0-----	2,438	On blue ice most of day; ice rippled and marred with cracks and crevasses.
Dec. 1	6:30	39	85	57	151 14	26. 22	21	S	14	3Ci-----	2,438	
1	17:45	40	86	06	150 35	25. 29	7	S	16	-----	3,462	Wind from 12 to 20 m. p. h. all day. The blue ice, almost without a crevasse, gave way to a long snow slope with very hard surface. Thorne Glacier Depot.

TABLE 20.—*Meteorological journal of "Queen Maud" geological party, Oct. 16, 1934, to Jan. 11, 1935—Continued*

[Observer: Quin Blackburn]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind		Cloudiness	Elevation above sea level	Remarks
			Lat. S.	Long. W.		Dry	Min.	From	m. p. h.			
1934	180th mer.		°	'	Inches	°F.	°F.				Feet	
Dec. 2	7:00	40	86 06	150 35	25.26	2	-----	S	16	Ci S.-----	3,462	Drift during night.
2	21:45	41	86 13	149 15	24.66	-1	-----	S	3	-----	14,125	Crevasses and other pressure phenomena encountered during day. On Thorne Glacier.
3	6:50	41	86 13	149 15	24.60	4	-8	Var.	Lt.	Ci-----	4,125	Lt. Ci in N.
3	7:30	41	86 13	149 15	24.59	8	-----	Var.	Lt.	Ci-----	4,125	
3	21:15	42	86 26	149 40	23.94	4	-----	SE	30	0-----	4,713	Wind increasing since 9h. Sledging today over snow surface, then patches of ice which became thicker. The going was very rough; many low ridges and crevasses trending E and W. After several miles encountered smoother surface with ice and very hard snow with large filled trenches and crevasses.
4	12:00	42	86 26	149 40	24.00	-1	-----	SE	20	0-----	4,713	Lt. drift. Wind up to 50 m. p. h. during night.
4	23:00	43	86 39	148 03	23.91	10	-----	SE	25	Few-----	4,868	Sun shining. A few clouds over some of the large mts. to W.
5	9:35	43	86 39	148 03	24.00	8	3	ESE	20	StCu-----	4,868	StCu forming over mts. High wind during night.
5	20:40	44	86 41	149 35	23.78	12	-----		0	-----	5,285	Camped on smooth hard surface; very little sign of sastrugi.
6	7:35	44	86 41	149 35	23.82	28	7	S	Lt.	St-----	5,285	Cu over mts.
6	20:25	45	86 57	151 55	22.97	-3	-----	SE	25	-----	6,144	
7	7:30	45	86 57	151 55	22.96	10	-----	SE	30	O'cast-----	6,144	Snowing. Gusts of wind up to 50 m. p. h.
7	20:50	46	86 58	152 20	22.83	5	-----	SE	30	do-----	6,316	Now on moraine at N side of Mt. Weaver.
8	8:00	46	86 58	152 20	22.76	5	-2	SE	12	Pt. O'cast--	6,316	Snowing. 727 miles from Little America.
8	20:45	46	86 58	152 20	22.74	5	-----	SE	25	O'cast-----	6,316	Snowing all day.
9	9:00	46	86 58	152 20	22.66	1	-1	SE	24	Ci, ASt-----	6,316	Sun shining.
9	22:30	46	86 58	152 20	22.62	-2	-----	SE	25	-----	6,316	
10	7:30	46	86 58	152 20	22.55	1	-5	SE	25	0-----	6,316	Few Ci in N.
10	21:30	46	86 58	152 20	22.52	-----	-----	-----	-----	-----	6,316	
11	7:30	46	86 58	152 20	22.52	-3	-7	SE	25	Few Ci-----	6,316	
11	20:00	46	86 58	152 20	22.56	-5	-----	SE	25	0-----	6,316	Mt. Weaver. Position 86°58' S—152°30' W. 212 miles from the Pole. Dec. 11 spent gathering specimens. Pressure at summit 20.66; temp. -13°. Elevation 8,411 feet above sea level.
12	7:00	46	86 58	152 20	22.60	0	-5	SE	20	0-----	6,316	Starting return journey to Little America at 9h.
12	20:00	47-44	86 41	149 35	23.62	3	-----		0	0-----	5,401	Crossed crevassed area; numerous trenches 10 to 30 feet wide and filled to within 1 or 2 feet of top.
13	8:00	47-44	86 41	149 35	23.64	7	-11		0	Lt. St-----	5,401	
13	19:55	47-44	86 41	149 35	23.64	0	-----	S	2	-----	5,401	In camp all day.
14	7:30	47-44	86 41	149 35	23.65	1	-----	S	2	Lt. Ci-----	5,401	Clouds over John Oliver La Gorse Mts. Ci to N.
14	19:40	48	86 24	148 45	24.14	0	-----	SSW	4	-----	4,813	
15	8:00	48	86 24	148 45	24.10	1	-----	SE	10	-----	4,813	
15	19:30	49	86 15	149 30	24.76	9	-----	SSE	18	8 Ci, ASt--	4,214	Sun shining. Lt. drift and wind blowing down the glacier.
16	8:00	49	86 15	149 30	24.85	20	-----		0	Ci, StCu, ASt.	4,214	Lt. snow since 0h.
16	19:30	50	86 08	150 27	25.22	19	-----	N	Lt.	-----	3,935	Few flakes of snow falling. Snow and sunshine, intermittently during entire day. Many mts. and ranges of mts. visible. Cu clouds over some of the mt. peaks.

TABLE 20.—*Meteorological journal of "Queen Maud" geological party, Oct. 16, 1934, to Jan. 11, 1935—Continued*

[Observer: Quin Blackburn]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind		Cloudiness	Elevation above sea level	Remarks
			Lat. S.	Long. W.		Dry	Min.					
1934												
Dec. 17	180th mer.	50	86 08	150 27	25.16	9				8 Ast, Ci	3,935	Some Cu over mts. to SE. Vis. fair. Small hexagonal crystals of snow fell at intervals during the day.
17	10:30	50	86 08	150 27	25.13	10		N	Lt.	St, Ci	3,935	
17	20:00	51	86 05	150 13	25.06	1.4		E	Lt.	ACu	3,923	Cu over the mt. ranges. Low fog on Thorne Glacier.
18	8:00	51	86 05	150 13	24.96	1	1	E	Lt.		3,923	
18	20:00	51	86 05	150 13	25.01	-6		E	Lt.	O'cast	3,923	The fog has come down the glacier and is enveloping the camp.
19	7:30	51	86 05	150 13	25.11	3		Var.	Lt.	0	3,923	Vis. excellent.
19	20:45	52	85 50	151 10	26.30	3		E	Lt.		2,665	Surface covered with 1 inch of loose snow in large flakes.
20	8:00	52	85 50	151 10	26.29	9		Var.	Lt.	Ci	2,665	Clear except Ci and haze to N. 4 Skua gulls flew over camp and landed nearby.
20	22:50	53	85 35	151 40	27.32	10		Var.	Lt.		1,673	St and StCu over mt. range to S. Upland snow field visible.
21	7:30	53	85 35	151 45	27.32	10			0	Ci S	1,673	St at mts.
21	22:00	54	85 30	151 15	28.26	13		ESE	8	Ci S	542	
22	7:35	54	85 30	151 15	28.25	16		SE	14	ASt	542	ASt on N horizon. At Durham Pt.
22	20:00	55	85 16	148 46	28.69	20		ESE	19		258	ASt and Ci to SW. At Mountain Base.
23	6:40	55	85 16	148 46	28.69	15		ESE	17	Ci	258	Vis. excellent.
23	20:00	56			28.52	23		ESE	7	8 Ci, CiCu	594	Overcast part of afternoon.
24	8:00	56			28.46	25		ESE	20	O'cast	594	Snowing and drifting. Passed 400-Mile Beacon at 84°40' S—152°41' W during day.
24	20:50	57			28.32	21		SE	20	8 ACu, Ci	512	Drifting snow. ASt to S. Snow and drift most of day. Crossed crevasses and filled trenches; trend ENE-WSW.
25	8:00	57			28.27	19		SE	30	Few Ci	512	Hvy. surface drift.
25	17:10	58			28.38	21		SE	30	8 Ci	140	Sun visible at times.
26	8:00	58			28.73	18		SE	35	0	140	Hvy. drift. Sun shining.
26	15:30	58			28.81	21		SE	20	0	140	Drifting.
27	4:10	59			28.81	18		SE	20	Few Ci	115	Some clouds over mts. Much etched sastrugi.
27	17:00	59			28.72	19		SE	30		115	Hvy. drift. Confined to camp.
28	10:30	59			28.70	21		ESE	28	Ci	115	Sky partly overcast to NE, E, and SE; sun shining. Drifting snow. Confined to camp.
29	4:45	60	83 37	154 45	28.91	23		SE	25	Ci, S or SE	76	Sun shining.
29	17:20	60	83 37	154 45	28.96	27		SE	20	0	76	Surface drift. Passed through crevassed area.
30	5:45	61	83 09	157 06	28.99	25		SE	20	Few Ci	83	Camped at 300-Mile Beacon all day.
30	21:00	61	83 09	157 06	28.92	21		SE	15	do	83	
31	7:45	62	82 46	157 32	28.84	21		SE	10	0	124	
31	19:30	62	82 46	157 32	28.72	23		SE	10	0	124	Rough sastrugi indicating SE winds.
1935												
Jan. 1	7:45	63	82 23	158 39	28.75	21		SE	11	0	197	Lt. fog and fog bow at 22h.
1	20:00	63	82 23	158 39	28.87	14			0	Few Ci	197	
2	8:00	64	81 56	159 15	29.20	23		N	15	O'cast	232	Lt. snow and drift. Poor vis.
2	18:20	64	81 56	159 15	29.48	27		N	17	do	232	
3	7:35	65			29.66	21		N	6	StCu, ASt	100	81°35' S—160°08' W at 5h. A Skua gull followed sleds for about a mile at 237 miles.
3	17:00	65			29.66	23		N	3	Few ASt	100	Wind changed to S at 17:30.
4	7:30	66	81 10	161 05	29.48	19		S	14	4 ASt, Ci	72	Low sastrugi. In pressure area; numerous cracks and lenticular holes, trending E and W. Some haycocks.
4	23:00	66	81 10	161 05	29.38	21		S	12	O'cast Ci	72	Sun shining through clouds.
5	5:45	66	81 10	161 05	29.32	20		S	9	5 Ci	212	Sun shining.
5	18:10	66	81 10	161 05	29.41	25		SW	9	ASt NNW	212	Fog to SE. Sun shining.

TABLE 20.—*Meteorological journal of "Queen Maud" geological party, Oct. 16, 1934, to Jan. 11, 1935—Continued*

[Observer: Quin Blackburn]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind	Cloudiness	Elevation above sea level	Remarks	
			Lat. S.	Long. W.		Dry	Min.					
1935	180th mer.		°	'	°	'	Inches	°F.	°F.	From m. p. h.	Feet	
Jan. 6	5:40	67	80 50	161 52	29.38	18	-----	SW	8	0-----	252	Smooth soft surface etched with 3- or 4-inch sastrugi.
6	19:10	67	80 50	161 52	29.33	21	-----	S	15	St O'cast---	252	St came in rapidly from S at 17h.
7	7:45	68	80 33	163 43	29.43	19	-----	SW	14	do-----	246	Smooth surface with low sastrugi until 155 mile; after that, hard and large sastrugi; much rougher surface.
7	18:45	68	80 33	163 43	29.45	18	-----	SW	14	0-----	246	
8	8:00	69	80 07.5	163 55	29.45	14	-----	SW	20	O'cast-----	221	Lt. drift. At Bolling Advance Base. Fog from 0h to 2h.
8	19:50	69	80 07.5	163 55	29.43	23	-----	S	14	St O'cast---	221	
9	5:35	70	79 45	163 27	29.27	18	-----	S	7	Few-----	186	St on horizon to N. Surface marked with 1- or 2-inch sastrugi.
9	17:00	70	79 45	163 27	29.23	23	-----	S	2	do-----	189	Looming to the E. St. to N.
9	20:20	71			29.28	20	-----				181	
10	5:30	72	79 16	163 56	28.90	18	-----	N	10	St O'cast---	625	Hard, rounded sastrugi from 60 miles to 50 mile beacon. After 50 mile beacon sastrugi lower but more numerous and the surface hard.
10	18:55	72	79 16	163 56	28.88	18	-----	N	7	O'cast-----	625	
11	7:05	73.1	78 34.1	163 56	29.65	30	-----			do-----	46	Arrived Little America.

TABLE 21.—*Meteorological Journal of Rockefeller Plateau Party, Oct. 16, 1934, to Jan. 2, 1935*

[Observer: E. Bramhall]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind	Elevation above sea level	Remarks			
			Lat. S.	Long. W.		Dry	Min.						
1934	180th mer.		°	'	°	'	Inches	°F.	°F.	From 0-12	Feet		
Oct. 16	11:00		78	34.1	163	56	28.47	7			46	Left Little America.	
16	17:00	1	78	45	163	56	28.47	-11.2		NW 2	106	Completely overcast.	
17	10:00	1	78	45	163	56	28.47	-3.1		E 2	106	ACu overcast.	
17	16:00	2					28.44	-2.2		N 3	144	Drift and fog during night.	
18	10:00	2					28.49	-5.8	-16		144	Lt. snow.	
18	16:00	3						-13				Do.	
18	18:00	4	79	05	163	56	28.15	-33	-36	E 1	534	Clear.	
19	10:00	4	79	05	163	56	28.23	-7.6	-36		0	534	
19	16:00	5	79	29	163	19		-20.2		N 1	343	ASt and Cu.	
20	12:00	5	79	29	163	19	28.15	-13	-29	S 6	343	Blizzard all day.	
21	10:00	5	79	29	163	19		-22	-30	SE 3	343		
21	16:00	6						-22		SW 1	300	High wind during night.	
22	8:00	6					28.19	-14.8			0	300	
22	19:00	7	80	07.5	163	55		-29.2		NW 2	159	Clear most of day.	
23	8:00	7	80	07.5	163	55	28.70	-31			0	159	At Bolling Advance Base.
24	17:00	8					28.40	-6.7		E 2	240	Lt. snow.	
24	24:00	8						-18		SE 2	240	Overcast.	
25	20:00	8					28.35	-29.2			0	240	
26	20:00	9	80	32	163	30	28.42	-42.5	-44		0	303	Scattered Ci. Vis. good.
27	8:00	9	80	32	163	30	28.65	-33	-45		0	303	Near or at 125-Mile Depot.
27	14:00	10					28.85	-36		W 1	275	Clear.	
27	20:00	11						-35		NW 2	137		
28	9:00	11					28.87	-25	-39	ESE 4	137		
28	15:00	12					28.75	-27		SE 5	94	Lt. drift. Vis. poor.	
29	9:00	12	80	52	162	09	28.45	-22	-43.5	S 5	94	Drifting snow.	
29	15:00	13					28.47			S 3	214		
29	21:00	14					28.48	-38		SW 2	274		
30	9:00	14					28.47	-25		NW 3	274		
30	18:00	15						-27		NW 2		Clear all day.	
30	23:00	16					28.47	-42			0	240	
31	12:00	16					28.45	-18	-42.5	NE 3	240		
31	18:00	17	81	22	161	24	28.33	-32		N 4	232	Cold wind.	
Nov. 1	12:00	17	81	22	161	24	28.25	-22	-40	S 2	232		
1	19:00	17	81	22	161	24	28.25	-30		SSE 2	232	Clear.	

TABLE 21.—*Meteorological Journal of Rockefeller Plateau Party, Oct. 16, 1934, to Jan. 2, 1935—Continued*
 [Observer: E. Bramhall]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind	Elevation above sea level	Remarks
			Lat. S.	Long. W.		Dry	Min.			
1934	180th mer.		°	'	Inches	°F.	°F.	From 0-12	Feet	
Nov. 2	9:00	17	81	22	28.36	-19.5			2	CiSt.
2	18:00	18	81	02	161 00	-28			3	Clear.
3	12:00	18	81	02	161 00			E	3	Ci.
3	18:00	19	81	09	161 07	28.70			0	Clear. Good vis.
4	11:00	19	81	09	161 07	28.70	-22		0	Clear.
5	12:00	19	81	09	161 07		-20.5		0	Do.
5	20:00	19	81	09	161 07	28.60	-34		0	
6	12:00	19	81	09	161 07	28.60			0	Poor vis. during morning. Clear for short time in afternoon.
7	2:00	20	81	01	159 40	-25		NNE	2	
7	8:00	20	81	01	159 40	28.55		N	4	Fog. Poor vis.
8	11:00	20	81	01	159 40	28.45	-5.5	N	2	Lt. snow. Vis. zero.
8	21:00	20	81	01	159 40		-7	NE	2	
9	8:00	20	81	01	159 40	28.70	-5	E	3	Lt. snow. Vis. zero.
9	23:00	20	81	01	159 40			NE	3	Steady wind; high temp.
10	8:00	20	81	01	159 40	28.68	-7.5	SE	2	Clear except for Cu in SE.
10	17:00	21	81	06	157 28	28.53	-16		0	
11	8:00	21	81	06	157 28	28.18	-28	SE	2	
11	16:00	21	81	06	157 28			NW	2	Clear.
12	1:00	21	81	06	157 28		-26	NE	6	Drifting snow. Vis. vy. bad.
12	5:00	21	81	06	157 28	28.08	-24	NE	5	
12	10:00	21	81	06	157 28	28.05	-17	E	3	Wind decreased at noon and sky clear for a few hours.
12	15:00	21	81	06	157 28	28.05	-14	E	4	
13	8:00	21	81	06	157 28	27.95	-16	SW	2	
13	20:00	21	81	06	157 28	28.27	-10	E	5	Drifting snow.
14	8:00	21	81	06	157 28	28.42	-3	SE	3	Overcast.
14	20:00	21	81	06	157 28		-22	S	3	Cleared later with clouds in S.
15	8:00	21	81	06	157 28	28.38	-12	S	4	
15	14:00	21	81	06	157 28	28.38	-9	SE	3	Clear. Wind gusty.
15	21:00	21	81	06	157 28	28.28	-16	S	2	
16	8:00	21	81	06	157 28	28.15	-15	S	3	Clear.
16	16:00	21	81	06	157 28	28.08	-11	S	3	
16	23:00	22			28.06	-20		W	2	
17	2:00	22			28.06	-21	-20.5		0	Clouds in S.
17	10:00	22			28.18	-10		NE	7	Hvy. drift.
17	18:00	22			28.36	-1		E	3	Clearing.
18	1:00	23	81	01	159 45				0	Clear and calm.
18	12:00	24	80	37	157 11				0	
19	13:00	24	80	37	157 11	28.15	-0.4		0	Clear.
19	19:00	24	80	37	157 11	28.22	-11.2	E	2	Clouds in N.
19	24:00	24	80	37	157 11	28.36		E	4	Lt. drift.
20	15:00	24	80	37	157 11	28.60	-0.4	E	3	
20	23:00	24	80	37	157 11	28.67	-14.8		0	Clear.
21	8:00	25			28.65	-3		NE	1	
21	12:00	26	80	29	151 32	28.65	3	E	2	Clear except for few clouds in SE.
22	1:00	26	80	29	151 32				0	Clear.
22	19:00	26	80	29	151 32	28.34	-8		0	
23	11:00	26	80	29	151 32	28.37	-1	N	2	Scattered St.
23	18:00	27	80	27	149 04	28.15		SW	3	
23	20:00	27	80	27	149 04	28.13		SW	3	
24	8:00	27	80	27	149 04	28.20		NW	4	Lt. drift.
24	13:00	27	80	27	149 04	28.10	4	N	3	
24	20:00	27	80	27	149 04		5.3	N	3	Overcast.
25	15:00	27	80	27	149 04		15	N	5	Drifting snow. Overcast.
26	2:00	27	80	27	149 04	28.70	13	NE	4	Overcast.
26	18:00	27	80	27	149 04	28.68	15	E	2	Vis. zero.
27	4:00	27	80	27	149 04	28.70	13	E	3	Clearing in E.
27	11:00	28			28.65	15		NW	1	Clear overhead and to N.
28	22:00	29	79	39	149 33	28.62	-1.5		0	Clear.
29	11:00	29	79	39	149 33	28.40	9.5		0	Clear except in NE.
29	14:00	29	79	39	149 33			NE	2	Overcast.
29	21:00	29	79	39	149 33				0	Do.
30	18:00	29	79	39	149 33	28.63		NE	3	Cloudy. Wind gusty.
30	24:00	29	79	39	149 33		18	NE	4	
Dec. 1	15:00	29	79	39	149 33	28.48		N	3	High wind during early morning, probably up to 50 m. p. h.
1	24:00	30				14		N	3	Overcast.
2	6:00	31			28.34	14		N	3	ACu.
3	4:00	32	79	17	149 00	27.13	-8.6	N	3	Clear.
3	15:00	32	79	17	149 00	27.07	17	N	1	Hvy. fog at 22h.
4	12:00	32	79	17	149 00	27.09	18		0	Clear.
4	15:00	32	79	17	149 00		13		0	
4	16:00	33	79	07	149 24	27.13	11		0	
5	20:00	33	79	07	149 24	27.72	12		0	Vis. zero.
6	12:00	33	79	07	149 24	27.85	13		0	Few clouds in S.

TABLE 21.—*Meteorological Journal of Rockefeller Plateau Party, Oct. 16, 1934, to Jan. 2, 1935—Continued*
 [Observer: E. Bramhall]

Date	Time	Camp No.	Position		Station pressure	Temperature		Wind	Elevation above sea level	Remarks
			Lat. S.	Long. W.		Dry	Min.			
1934	180th mer.		°	'	Inches	°F.	°F.	From 0-18	Feet	
Dec. 6	17:00	34	79 00	150 31	28.17	2	-----	0	1,013	
7	15:00	34	79 00	150 31	28.28	10	-----	0	1,013	Lt. snow. Vis. zero.
8	11:00	34	79 00	150 31	28.05	8	-----	0	1,013	Clear. Fog from NW in afternoon.
9	13:00	34	79 00	150 31	27.95	22	-----	SE 1	1,013	Shower of ice crystals at 22h.
9	21:00	35	79 00	150 24	28.13	9	-----	0	878	Mostly clear; St in NW.
10	10:00	35	72 00	150 24	28.18	19.5	-----	0	878	Clear.
10	15:00	35	79 00	150 24	28.18	14	-----	W 1	878	Do.
11	20:00	35	79 00	150 24	28.19	10	-----	0	878	Ci overcast. Calm and clear in morning.
12	22:00	36	-----	-----	-----	-----	-----	W 2	-----	CiSt at 22h.
13	4:00	37	78 48	150 33	27.30	21.2	-----	0	1,818	Clear all day.
13	24:00	37	78 48	150 33	27.32	-----	-----	N 2	1,818	Thin ACu.
14	4:00	38	78 33	150 29	26.26	-----	-----	N 2	2,793	Clear except for a few clouds in N.
14	10:00	38	78 33	150 29	-----	11	-----	-----	-----	Clouds in E.
15	6:00	38	78 33	150 29	26.15	3.2	-----	E 3	2,793	Clear. Fog on horizon.
16	8:00	38	78 33	150 29	26.32	-----	-----	N 3	2,793	Clear.
17	13:00	39	78 23	152 12	26.64	-----	-----	0	2,540	Fine and clear.
17	24:00	39	78 23	152 12	26.55	-----	-----	0	2,540	Clear. At 150-Mile Depot on Eastern Trail.
18	23:00	40	78 25	153 20	27.73	-----	-----	E 2	1,509	Overcast.
19	10:00	40	78 25	153 20	27.60	23.9	-----	E 2	1,509	Overcast all morning.
19	16:00	40	78 25	153 20	27.62	26.6	-----	-----	1,509	Clear in E.
20	5:00	40	78 25	153 20	27.52	21.2	-----	E 5	1,509	Lt. drift.
20	12:00	40	78 25	153 20	27.60	23	-----	0	1,509	Clearing.
20	18:00	40	78 25	153 20	27.62	17.6	-----	0	1,509	Clearing.
21	11:00	40	78 25	153 20	-----	23	-----	-----	1,509	Clearing.
21	19:00	40	78 25	153 20	27.33	23	-----	E 7	1,509	Blizzard from E all day.
22	10:00	40	78 25	153 20	-----	26.6	-----	E 6	1,509	Blizzard from E all day.
22	20:00	40	78 25	153 20	-----	27.5	-----	ENE 6	1,509	Snowing and drifting. Signs of clearing in N.
23	12:00	40	78 25	153 20	-----	28.4	-----	W 3	1,509	Lt. snow. Overcast.
23	20:00	40	78 25	153 20	27.63	13.1	-----	N 2	1,509	Fog clearing.
24	14:00	40	78 25	153 20	-----	-----	-----	ESE 2	1,509	Lt. snow. Overcast.
24	20:00	40	78 25	153 20	27.12	17.6	-----	SE 3	1,509	Overcast.
25	16:00	40	78 25	153 20	27.10	19.4	-----	E 3	1,509	Overcast all day.
26	11:00	40	78 25	153 20	27.17	23.9	-----	0	1,509	Clearing in E.
26	13:00	40	78 25	153 20	27.17	23.9	-----	0	1,509	Clearing in E.
26	21:00	40	78 25	153 20	-----	10.4	-----	E 2	1,509	Clearing in E.
27	18:00	40	78 25	153 20	27.13	17.6	-----	E 2	1,509	Clouds in N and W. Overcast all morning.
27	20:00	40	78 25	153 20	27.15	9.5	-----	-----	-----	Clear.
28	10:00	40	78 25	153 20	27.23	24.8	-----	E 4	1,509	Lt. drift. Wind gusty.
28	21:00	40	78 25	153 20	27.30	15.8	-----	E 4	1,509	Lt. drift.
29	2:00	40	78 25	153 20	27.32	16.7	-----	E 3	1,509	Lt. drift.
29	5:00	41	78 27.7	154 21.5	28.13	23.9	-----	NE 3	802	At 120-Mile Depot on Eastern Trail.
29	10:00	41	78 27.7	154 21.5	-----	24.8	-----	E 5	802	At 120-Mile Depot on Eastern Trail.
29	24:00	41	78 27.7	154 21.5	28.10	15.8	-----	E 3	802	At 120-Mile Depot on Eastern Trail.
30	8:00	42	78 23	155 50	28.45	-----	-----	0	584	At 120-Mile Depot on Eastern Trail.
30	-----	42	78 23	155 50	28.38	17.6	-----	0	584	At 120-Mile Depot on Eastern Trail.
31	4:00	42	78 23	155 50	28.30	14	-----	0	584	Clear.
31	9:00	43	-----	-----	28.34	20	-----	S 2	510	Clear.
1935										
Jan. 1	12:00	44	78 34	159 56	28.45	23.9	-----	SE 2	473	Clear.
1	14:00	44	78 34	159 56	28.46	-----	-----	S 2	473	Clear overhead; clouds in E.
1	23:00	45	-----	-----	28.78	-----	-----	N 3	412	Overcast.
2	4:30	-----	78 34.1	163 55	29.06	-----	-----	N 4	-----	Lt. snow and drift. Vis. zero. At Little America.

¹ The reading of the aneroid of 29.06 when the party returned to Little America does not agree with the correct station pressure there which was 29.36. Either the value of 29.06 represents an incorrect reading of the instrument or else the aneroid became out of adjustment somewhere during the journey and if so this must have occurred after Nov. 23,

since the pressure on this date agrees well with that deduced from the aero-meteorograph record when the plane landed at the position occupied by the party. There is therefore the possibility that beginning sometime after Nov. 23, all elevations are about 300 feet too high. (G. G.)

TABLE 22.—Meteorological observations received by radio from the Ellsworth Expedition, Oct. 22, 1934, to Jan. 11, 1935

AT DECEPTION ISLAND UNTIL NOV. 27

Date	Time	Pressure sea level	Temper- ature	Wind	Cloud- ness	Clouds	Visi- bility	Remarks
	180th mer.	Inches	°F.	From m. p. h.	0-10		Kilo- meters	
1934 Oct. 22	12:00	28.65	29	WNW 24	10	NbSt	1	Snowing.
23	0:00	28.76	21	WSW 24	10	NbSt	1	Do.
23	12:00	29.36	19	SW 27	5	FrSt	20	Snow E. 0:30h.
24	0:00	29.44	29	W 14	10	NbSt	0	Snowing.
24	12:00	29.47	32	W 46	10	St	0	Snow E. 4:00h.
25	0:00	29.24	31	WNW 37	10	NbSt	0	Hvy. snow 23h to 0:30h.
25	12:00	29.20	32	W 48	10	FrSt, NbSt	1	
26	0:00	28.86	33	WNW 17	---	NbSt	2	Snowing.
26	12:00	28.95	31	W 40	10	3 StCu, 8 ACu	15	Snow E. 4:00h. Wind W to SW to S 55 from 4h to 10h.
27	0:00	29.05	22	W to S 10	---	St	Unl.	Clear.
27	12:00	29.13	26	W to S 6	7	Cu, ACu	Unl.	
28	0:00	28.84	30	W to S 26	10	St	5	Snow from 13h to 17h.
28	12:00	29.08	29	WSW 6	1	ASt	Unl.	Clear.
29	0:00	29.18	29	W 1	4	ACu	Unl.	
29	12:00	29.25	32	W 2	10	St	1/4	Snow from 21h to 9h.
30	0:00	28.70	34	WNW 36	10	St	3	Sleet from 14h to 24h.
30	12:00	28.90	32	W 14	10	St	3	Sleet from 0h to 12h.
Nov. 17	0:00	29.37	36	WNW 30	10	St	4	Drizzling.
17	12:00	29.47	34	NNW 19	10	NbSt	3	Sleet.
18	0:00	29.50	34	NW 9	10	St	7	
18	12:00	29.64	33	W 25	6	FrSt	50	Lt. clouds.
21	0:00	30.06	32	WSW 15	8	Ci, ACu	50	
21	12:00	30.05	33	WNW	10	St	1	Fog since 5h.
22	0:00	30.06	32	NW 5	10	St	1	Fog.
22	12:00	29.86	32	NW 20	10	St	1	Do.
23	12:00	29.83	30	W 2	8	Ci	20	Hazy.
24	0:00	29.73	33	WNW 17	4	ACu	3	Lt. snow at 18h.
24	12:00	29.77	32	NW 10	10	St	2	Fog since 2h.
25	0:00	29.70	33	WNW 8	10	St	50	Lt. fog.
25	12:00	29.63	29	NW 8	10	St	50	Do.
26	0:00	29.51	35	N 5	10	St	4	Fog.
26	12:00	29.47	---	WSW 4	8	St	10	Do.

AT SNOW HILL ISLAND UNTIL JAN. 11

1934 Dec. 2	0:00	28.69	34	N 31	6	ACu	10	Fog and lt. snow from 16h to 21h.
2	12:00	28.72	31	SW 4	9	St	1	Fog.
3	0:00	28.89	33	0	9	StCu, ACu	50	Snow from 17h to 18h.
3	12:00	28.81	32	0	9	StCu	50	
4	0:00	28.77	31	E 3	9	StCu	50	
4	12:00	28.77	30	---	4	StCu, Ci	50	
5	0:00	---	---	0	9	StCu	40	Lt. snow from 19h to 20h.
5	12:00	28.97	32	N 2	8	ACu, StCu	40	
6	0:00	29.05	23	0	10	ACu, StCu	20	
6	12:00	29.09	31	ENE 8	10	StCu	10	Snow from 10h to 11h.
7	8:00	29.13	39	SE 2	10	---	---	Low overcast. Lt. snow at 8h.
8	0:00	29.24	31	ESE 1	9	St	15	Lt. snow since 23h. Low overcast.
8	12:00	29.31	30	NNE 3	9	St, StCu	15	Low overcast.
9	0:00	29.30	32	ENE 16	6	St, Few Ci	25	
9	12:00	29.24	31	SE 5	10	StCu	20	Low overcast.
10	0:00	29.10	31	SSE 15	9	CiSt, Few St	20	
10	12:00	29.15	29	SSE 10	10	NbSt	2	Lt. snow since 4h.
11	0:00	29.24	29	S 8	10	StCu	4	Lt. snow.
11	14:00	28.80	29	SSW 30	10	St	1/4	Snow and fog.
13	0:00	28.57	31	SSW 20	10	Low St	1/2	Do.
14	0:00	28.69	32	S 28	10	NbSt	1/4	Do.
15	0:00	28.87	31	SW 31	10	St	---	Lt. snow and fog.
15	8:00	28.89	33	WSW 28	10	St	2	Do.
15	11:00	---	---	WSW 20	10	ASt	4	Fog.
16	0:00	28.81	27	WSW 30	3	Ci, CiSt	1	Do.
16	11:00	28.92	30	WSW 25	10	St	1/2	Snow and fog.
17	8:00	29.17	28	WSW 45	9	ACu	2	Fog.
18	0:00	29.35	26	WSW 27	1	ACu	1	Low fog.
18	8:00	29.44	30	SSW 10	2	StCu, ACu	50	Fog E. 3h.
18	11:00	29.47	---	W 5	1	StCu	50	
19	0:00	29.36	33	NE 4	3	Low St	50	
19	8:00	---	---	0	---	---	50	Clouds on N. horizon.
20	1:00	29.08	35	WSW 27	10	ASt	30	
20	11:00	29.10	33	W 8	8	StCu	50	
20	20:00	29.15	25	WSW 15	10	StCu	10	Lt. snow.
21	0:00	28.98	29	18	4	Ci	50	
21	8:00	29.00	29	WSW 30	6	ACu, Ci	3	Low fog.

TABLE 22.—Meteorological observations received by radio from the Ellsworth Expedition, Oct. 22, 1934, to Jan. 11, 1935—Continued
AT SNOW HILL ISLAND UNTIL JAN. 11—Continued

Date	Time	Pressure sea level	Temper- ature	Wind	Cloudi- ness	Clouds	Visi- bility	Remarks
1934	180th mer.	Inches	°F.	From m. p. h.	0-10		Kilo- meters	
Dec. 22	20:00	29.22	25	WSW 2	4	Ci NW	4	Clear.
23	8:00	29.00	30	SE 1	10	10 ASst, 4 St	8	Lt. snow and fog.
23	16:00	29.02	28	S 10	10	NbSt	2	Lt. snow.
24	8:00	29.07	30	S 12	8	Low St	0	Snow squalls.
24	20:00	29.22	38	SSW 11	10	Low St	10	
25	11:00	29.31	29	SW 9	9	6 ASst, 3 StCu	30	
25	20:00	29.38	28	WSW 3	9	StCu	30	
26	8:00	29.44	32	ENE 2	8	StCu NE	50	
26	11:00				9	StCu		Pressure rising, otherwise unchanged.
26	20:00	29.53	30	NE 6	8	CiSt	50	
27	8:00	29.52	35	NE 7	10	ASst, few St SW	40	High overcast.
27	11:00	29.52			5	CiCu, ACu SW		
27	20:00	29.49	32	NNE 14	3	ACu WSW	10	Snow and lt. fog.
28	8:00	29.50	36	ESE 2	10	Low St	10	
28	20:00	29.55	32	WSW 3	10	Low St	5	
29	8:00	29.62	34	WSW 18	10	8 ASst, 3 St	20	
30	0:00	29.61	35	E 10	10	10 StCu, 2 St	2	Hazy.
30	8:00	29.71	37	SW 3	3	StCu	50	Clear since 5h.
30	20:00	29.69	32	N 4	3	Ci	50	Wind N 4; vis. 5; fog and low clouds at 21h.
31	8:00	29.58	37		9	ASst	40	
31	20:00	29.30	32		10	Low St	20	Sleet and snow B. 21h.
1935								
Jan. 1	8:00	29.51	32	SSW 30	10	Low St	8	Sleet and snow until 6h.
1	20:00	29.69	29	SW 27	10	Low St	10	Lt. snow flurries.
2	8:00	29.77	34	SW 27	10	Low StCu	15	
3	0:00	29.78	31	SW 25	1	St	50	
4	0:00	29.39	35		1	ACu	50	
4	8:00	29.18	39	N 5	7	ACu SW	50	
5	0:00	29.24	29	SSW 22	10	StCu	25	Lt. snow.
5	8:00	29.35	31	S 18	10	StCu	10	Do.
6	0:00	29.48	28	W 20	10	StCu	30	Occasional lt. snow.
6	8:00	29.55	27	SSW 18	10	NbSt	20	
7	0:00	29.66	26	SSW 12	10	StCu	25	Occasional lt. snow.
7	8:00	29.73	27	SSW 21	9	StCu	30	Intermittent showers.
10	0:00	29.50	24	SW 28	10	Low St	2	Lt. fog.
10	8:00	29.50	29	SW 36	4	StCu	50	
10	11:00			SW 23	10	StCu		
11	0:00	29.45	27	W 19	9	St, StCu	15	Occasional lt. fog.
11	11:00	29.37	29	N 8	8	Ci, Few StCu	50	

TABLE 23.—Meteorological observations on board the "City of New York," in the Bay of Whales, Jan. 1 to Feb. 15, 1929

[Pressure reduced to 32° F., standard gravity and sea level]

Day	Hour	Pressure, sea level ¹	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snow- fall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	180th mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		0-9	Inches	
Jan. 1	8	29.643	23.5	24.0		SW 3	9	2 ASst (07), 7 StCu		6		
1	14	29.607	25.9			SW 7	10	StCu SW		6		
1	20	29.622	26.5			SW 3	8	StCu SW		7	0	
2	8	29.612	26.5	26.0		SSE 3	10	StCu SSE		5		
2	20	29.672	24.5			SW 3	9	StCu SW		7	0	
3	8	29.764	28.0	28.0		NE 9	8	3 ASst E, 5 StCu NE		7		
3	14	29.772	33.3			ENE 11	2	2 ASst E, Few Cu		7		
3	20	29.762	25.3	36.5		E 11	9	ASst ENE		7	0	
4	8	29.714	23.5	24.0	16.1	ESE 10	8	ACu NE		7		
4	14	29.673	28.0			ESE 12	4	2 ACu NE, 2 ASst		8		
4	20	29.681	21.9	27.0		SE 9	2	Few CiCu E, 2 ACu		7	0	
5	8	29.672	20.5	23.5	15.8	SE 9	7	ACu SW		5		
5	14	29.667	31.8			ESE 7	1	ACu SSW		7		
5	20	29.653	27.0		27.0	E 8	7	Few ACu NNE, 7		6	0	A fine day.

¹ Pressures in parentheses determined from barograph trace.

TABLE 23.—Meteorological observations on board the "City of New York," in the Bay of Whales, Jan. 1 to Feb. 15, 1929—Continued

[Pressure reduced to 32° F., standard gravity and sea level]

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloud- ness	Clouds	Drift	Visi- bility	Total snow- fall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	180th mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		0-9	Inches	
Jan. 6	8	29.664	30.2	32.5	26.0	NE 12	9	8 StCu N, 1 St NE		5		Sky darkened rapidly in NNE at 10h, a snow squall reaching the ship at 10:24h. Lt. snow from 10:24h to 12:15h.
6	14	29.639	30.2			NE 13	10	StCu NE		6		
6	20	29.618	29.7		26.0	N 12	9	6 StCu N, 3 St N		6	.5	Dn. fog from 22 h to 2:30.
7	8	29.581	23.0	31.0	19.0	N 3	10	St N		5		
7	14	29.517	30.0			ENE 2	10	StCu 0		6		
7	20	29.451	22.1	34.7	19.0	S 9	9	StCu ENE		6	0	
8	8	29.494	19.0	23.5	17.0	SW 18	9	StCu SW		6		
8	14	29.520	20.2			SSW 16	10	StCu SW		6		
8	20	29.589	18.9	21.4	16.6	SSW 12	9	St SSW		7	T	Lt. snow at intervals during day. StCu changed to layer of St at about 300 m. or lower in evening.
9	8	29.641	27.6	27.6	16.1	NNE 12	10	StCu NNE		5		
9	14	29.644	29.5			N 16	10	StCu (0?)		7		Hvy. layer of CiSt, at about 7,500 m.; moving slowly from WSW at 14 h.
9	20	29.599	28.4	29.5	27.6	NE 19	9	8 ACu NW, 1St NE		7	T	Bay choppy all day. Barometer settling in the evening; wind veering from N towards E, increasing steadily. Lt. snow B. 10:45h.
10	8	29.383	16.0	28.4	15.8	SE 21	10	St SE		3		Lt. to mod. snow until 9h. Drifting.
10	14	29.320	20.0			SSE 27	9	ASt		2		Drifting snow.
10	20	29.352	18.0	20.5	15.5	SSE 23	9	5 CiSt WSW, 2 ASt WSW, 2 ACu W.		3	2.0	Do.
11	8	29.434	14.0	18.0	13.0	SW 21	6	1 CiSt WSW, 5 ACu WSW.		3		Do.
11	14	29.530	14.0			SSW 21	3	1 Ci W, 2 ASt W.		4		Do.
11	20	29.577	12.0	14.6	12.0	SW 16	2	2 Ci W, Few StCu SW.		8	0	Drift extended only about 50 ft. above surface.
12	8	29.652	14.8	14.8	8.5	SSW 4	5	St W		9		ACu appeared in SW at 9h, advancing overhead and giving way to a solid layer of StCu before 12h.
12	14	29.624	27.3			NE 5	10	StCu N		6		
12	20	29.578	27.3	30.0	14.8	N 12	10	StCu N		6	T	Occasional lt. snow flurries from 14h to 21h.
13	8	29.487	27.0	27.3	26.3	NNW 9	10	StCu NW		6		Occasional lt. snow during morning.
13	14	29.463	32.0			ESE 7	9	StCu 0		8		
13	20	29.440	28.0	32.0	23.9	E 7	4	StCu 0		8	T	
14	8	29.492	26.5	28.0	13.4	ESE 7	5	1 ACu 4 St N		8		
14	14	29.479	30.2			E 4	9	StCu WSW		8		
14	20	29.484	30.0	32.8	24.0	E 3	9	4 ASt WNW, 5 StCu NW.		7	.5	Lt. snow. Ci from WNW at 19h.
15	8	29.529	19.3	30.0	19.3	SE 10	9	StCu NNW		7		Lt. snow continued steadily during early morning until 6:30h; snowfall estimated at 3/4 inch.
15	14	29.588	25.4			SE 12	3	3 ACu ENE, Few StCu.		8		
15	20	29.620	12.5	26.7	12.5	S 6	2	2 ACu NE, Few Cu.		9	.8	Cu are along E horizon and have appearance of small thunderheads.
16	8	29.622	15.0	15.0	4.0	SE 9	1	1 Ci WNW, Few St SE.		7		
16	14	29.645	19.0			S 8	2	2 Ci WNW, Few St S.		9		
16	20	29.546	8.0	19.0	8.0	SS 9	1	Ci WNW		9	0	A fine day with bright sunshine. Lt. sea smoke over open bay water during evening.
17	8	29.314	14.0	16.4	2.7	S 9	3	StCu S		9		

TABLE 23.—Meteorological observations on board the "City of New York," in the Bay of Whales, Jan. 1 to Feb. 15, 1929—Continued

[Pressure reduced to 32° F., standard gravity and sea level]

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snow- fall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	180th mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		0-9	Inches	
Jan. 17	14	29.250	27.8			SSE 7	1	1 ACu NW, Few StCu S.		9		
17	20	29.172	5.0	27.8	5.0	SSW 6	1	1 ACu, Few St.		9	0	
18	8	28.941	9.0	11.4	2.8	SSW 13	5	ACu 0.		9		
18	14	28.934	12.5			SSW 20	8	6 ACu (SSE?), 2 StCu SSW.		6		
18	20	28.967	12.3	12.6	9.0	SW 16	9	StCu SW.		7	0	
19	8	(29.12)	7.6	12.3	4.8	SSW 9	1	1 Ci NNE, Few St SSW.		9		
19	14	(29.21)	14.6			SSW 12	8	8 CiSt NNE, Few St. SW.		9		
19	20	(29.24)	12.5	15.4	7.6	SSW 15	9	CiSt NNE.		9	0	A bright day. 22° solar halo visible after 14h.
20	8	(29.33)	15.4	15.4	10.5	SSW 20	7	1 CiSt NNE, 6 ACu NNE, Few St SW.		6		Report from whaler C. A. Larsen, at 22h: Position 74°45' S—179°00' E; pressure 29.02; lt. SE wind; cldy.; 32° F.
20	14	(29.45)	18.5			S 20	9	6 Ast NNE, 3 St S.		6		
20	20	(29.49)	20.3	20.3	15.4	S 12	10	StCu SSW.		7	.5	Lt. snow.
21	8	(29.54)	31.3	34.5	20.3	E 12	10	Nb E.		5		Occasional lt. snow dur- ing the early morning; snow changed to lt. drizzle at 9:15h.
21	14	(29.50)	34.9			E 8	9	9 ACu NE, Few StCu.		8		
21	20	29.519	27.6	36.7	27.6	ESE 11	9	Ast ENE.		8	.5	
22	8	29.436	32.0	35.4	24.1	ESE 6	8	2 Ci, 1 CiCu NNW, 5 ACu NNW.		9		22° solar halo.
22	14	29.394	42.4			SSW 3	4	Few Ci (NNW?), 4 ACu NNW.		9		Corona and halo.
22	20	29.349	30.0	42.4	30.0		0	Ast NNW.		8	0	Report from whaler C. A. Larsen, at 22h: Position 75°09' S—179°32' W; pressure 29.42, lt. SE wind, cldy., temp. 29.3.
23	8	29.346	33.3	34.5	26.0	SW 8	10	Dn. fog.		2		Lt. snow. Dn. fog since 7:34h.
23	14		31.1			SSW 15	10	3 ACu, 7 St SSW.		5		Lt. snow.
23	20	29.344	24.3	35.4	24.3	SSW 18	10	Ast S.		6	.2	Vy. lt. snow.
24	8	29.366	25.7	28.5	16.3	WSW 6	6	3 Ci NNW, 3 StCu WSW.		9		
24	12		35.0			WSW 7	2	StCu W.		9		Lt. snow from 12:30h to 13:30h.
24	20	29.28	19.5	35.0	19.5	WSW 5	2	2 Ci WNW, Few StCu WSW.		9	.1	
25	8	29.230	26.0		15.8	E 4	10	Nb E.		5		
25	14					ESE 10	10	St ENE.		5		
25	20	29.100	22.2	38.3	22.2	ESE 10	9	3 Ci NNE, 2 Ast NNE, 2 ACu NNE, 2 StCu NE, Few Cu NE.		8	.2	Lt. snow from 11:40h to 15h.
26	8	29.024	30.8	32.2	20.1	NE 9	10	St NE.		6		Vy. lt. snow.
26	14		39.0			N 3	9	7 StCu NNW, 2 St NNW.		7		
26	20	29.054	29.8	39.0	25.5	S 4	8	8 StCu S, Few St S.		9	T	Few St or fog on S horizon. Lt. fog at 21:05h; fog depth 30 ft.
27	8	29.16	26.0	29.8	13.4	SW 10	1	Ci (WNW?)		9		
27	14	29.26	24.0			SW 10	1	Ci (WNW?)		9		
27	20	29.31	14.0	30.3	14.0	SSW 6	Few	St.		9	0	
28	8	29.414	8.0	15.0	2.2	WSW 2	7	2 Ci SW, 5 St WSW.		4		Dn. fog from 0h to 7h. Lt. fog from 7h to 9h.
28	14	29.324	21.4			ENE 3	10	Ast SW.		6		
28	20	29.220	26.0			NE 8				5	1.0	Lt. snow.
29	8	28.943	30.2		30.2	NE 7	10	StCu.		6		Mod. snow until 4h.
29	14	(28.99)				S 9	9	StCu S.		6		Snowing from 12h. to 13:30h.
29	20	(29.16)	22.0			S 4	4	ACu SSW.		8	1.0	
30	8	(29.37)	10.0		3.3	S 5	3	ACu WSW.		9		
30	14	(29.36)				S 4	8	StCu.		6		

TABLE 23.—Meteorological observations on board the "City of New York," in the Bay of Whales, Jan. 1 to Feb. 15, 1929—Continued

[Pressure reduced to 32° F., standard gravity and sea level]

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snow- fall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	1800h mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		0-9	Inches	
Jan. 30	20	(29.31)	5.2			SE 8	2	StCu SW		8	0	Snow streamers. A wide field of bay ice adjacent to the East Barrier went out tonight.
31	8	(29.08)	3.0		-6.3	ENE 13	Few	ACu, St		8		Bright halo visible through drift at 10h. Parhelia and upper tangent arc.
31	14	(29.01)				E 7	Few	ASt (WSW?), StCu (S?)		9		
Feb. 1	20	(29.02)	5.1	13.4		S 6	Few	StCu S		9	0	
1	8	(29.03)	10.0			SE 8	10	St		8		
1	14	(29.02)				NE 10	9	St		8		
1	20	(29.01)	14.0			SW 4	9	StCu		8	0	
2	8	(29.12)	10.0		6.3	SE 10	10	StCu		8		
2	14	(29.19)				E 10	10	StCu		8		
2	20	(29.24)	13.1		8.3	ENE 9	10	StCu W		7	T	Lt. snow flurry at 23h.
3	8	(29.36)	8.0	14.8	-1.4	S 5	10	Nb S		4		Lt. snow from 5:15h to 9:30h.
3	14	(29.33)				E 12	9			6		
3	20	(29.31)	20.3	24.9	8.0	NNW 16	9	1 StCu N, 8 St NNW		6	.7	Hvy. sea from N in afternoon and evening.
4	8	(29.41)	13.9	21.7	12.0	SSE 9	9	StCu (N?)		6		Vy. lt. snow.
4	14	(29.40)				SSW 15	9	StCu 0		6		
4	20	(29.31)	7.0	21.2	7.0	SSW 11	5	StCu SSW		8	T	Considerable pancake ice forming.
5	8	(29.16)	-1.0	7.0	-1.4	SSW 7	6	ACu S		8		
5	14	(29.09)				SSW 11	4	ACu S		9		
5	20	(29.07)	2.0	14.3		SSW 9	1	1 ACu, Few St SSW		9	0	Considerable pancake ice formed again during night.
6	8	(29.13)	8.0		-8.8	WSW 9	8	7 ACu W, 1 Cu WNW		7		Bank of Cu along W horizon since 6 h.
6	14	(29.21)				WSW 8	6	5 ACu W, 1 Cu WNW		9		
6	20	(29.29)	15.0	17.2		SE 14	5	3 ACu NW, 2 StCu NW		9	0	Pancake ice formed around ship during night.
7	8	(29.36)	14.4	25.7	11.9	ESE 18	9	2 Ci (SW?), 1 CiCu, 2 ACu, 4 StCu ESE		7		Snow squall from 4:45h to 5:15h, 22° halo at 7h.
7	14	(29.35)				ESE 12	10	Nb ESE		3		Lt. snow and drift.
7	20	(29.23)	13.2	17.3	11.4	ESE 17	10	Nb ESE		2	2.0	Mod. snow.
8	8	(29.03)	26.0			ENE 22	10	Nb ENE		3		Lt. snow.
8	14	(28.99)				NE 21	10	Nb NE		3		Do.
8	20	(28.94)	28.2	28.2		NE 21	10	Nb NE		3	3.5	Lt. snow. Cruising about mouth of bay.
9	8	(28.91)	28.6	29.0	26.4	NE 15	10	ASt WNW		4		Lt. snow.
9	14	(28.95)				NE 14	10	Nb NE		4		Mod. snow.
9	20	(28.98)	29.4	30.8	27.3	NE 15	10	St NNE		5	2.0	Lt. snow.
10	8	(29.05)	25.9	30.3	25.4	ESE 16	10	StCu NE		6		
10	14	(29.03)				E 14	10	StCu NE		4		
10	20	(28.99)	28.0			E 16	10	StCu NE		4	0	
11	8	(28.89)	28.0			E 15	10	ASt ENE		5		Lt. snow.
11	14	(28.84)				E 18	10	ASt ENE		4		Do.
11	20	(28.81)	23.6	23.6		SE 14	9	9 ASt ENE, Few StCu ENE		9	1.0	
12	8	(28.77)	27.3	27.3	22.9	NE 21	9	6 ACu NNE, 3 StCu NNE		8		Gusty SE winds in early morning, backing suddenly to NE at 5:30h.
12	14	(28.78)	29.4			NE 21	10	Nb NE		3		Hvy. snow squalls from 12:30h to 19:30h.
12	20	(28.84)	29.6	32.2	27.0	NE 21	10	StCu NE		7	1.5	Report from whalers C. A. Larsen and Sir Jas. Clark Ross at 10h: Position 73° S—178°31' E; pressure 28.46, temp. 24.8; strong W gale; snow squalls; cldy.
13	8	(28.95)	24.2	30.3	24.2	ESE 19	10	St E		4		Lt. snow since 5:45h. At 7:30h the snow became mixed with mist, forming a coating of clear ice on the windward side of exposed objects.

* Total snowfall for month, 7.3 inches.

TABLE 23.—Meteorological observations on board the "City of New York," in the Bay of Whales, Jan. 1 to Feb. 15, 1929—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h.	Remarks
			Dry	Max.	Min.							
	180th mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
13	14	(29.00)				ESE 16	9	St E		9		
13	20	(29.03)	20.5	29.0	20.5	ESE 16	9	StCu ENE		7	0.5	
14	8	(29.04)	26.1	27.3	13.8	ESE 8	9	9 ACu NNE, Few St (ESE?)		9		
14	14	(29.03)				ESE 9	8	6 ACu WSW, 2 StCu (E?)		7		
14	20	(29.06)	21.0			ESE 10	6	ACu WNW		8	0	
15	8	(29.11)	21.0		20.6	ESE 12	9	9 ACu (0?), Few StCu ESE	0	6		
15	14	(29.14)	27.3			E 7	10	8 ASt (0?), 2 St E	0	7		
15	20	(29.13)	18.0	27.3	18.0	E 4	10	6 ACu WNW, 4 St Cu NNW	0	6	0	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935

(Pressure reduced to 32° F., standard gravity and sea level)

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
	180th mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
1929 Feb. 16	8	29.206	15.8	18.0	14.0	S 7	10	StCu S	0	5		
16	14	29.280	15.2			SSW 9	8	StCu SW	0	7		
16	20	29.306	5.0	17.2	3.8	S 7	9	2 ACu SW, 7 StCu S	0	7	0	
17	8	29.356	-3.0	8.0	-7.0	S 6	1	1 ASt S, Few St S	0	7		
17	14	29.335	1.0			S 8	6	2 ASt S, 4 St S	0	6		
17	20	29.326	-1.8	6.0	-3.0	SSE 12	4	StCu SSE	0	4	0	Lt. fog in SSE. Showers of ice crystals fell several times during day, causing haloes. Arcs of 46° halo visible a number of times.
18	8	29.312	-9.0	4.0	-12.0	S 4	Few	CiSt WNW	0	8		
18	14	29.296	7.0			E 2	Few	Ci NW	0	8		
18	20	29.299	-5.0	10.8	-9.0	E 12	2	1 Ci NW, 1 ACu WSW	0	7	0	
19	8	29.325	-3.0	-1.0	-12.0	E 15	0		0	4		
19	14	29.339	1.0			ESE 16	0		0	4		
19	20	29.356	-6.0	1.5		E 9	0		0	8	0	
20	8	29.366	-3.8	-2.0	-19.0	S 7	5	3 CiSt NNW, Few ACu, WNW, 2 StCu S	0	7		Thin slush ice formed across the bay during the night.
20	14	29.387	6.0			S 12	9	8 StCu SSE, 1 Cu S	0	6		
20	20	29.398	2.8	4.8	-3.8	S 9	7	StCu SSE	0	7	0	
21	8	29.445	-5.4	3.0	-12.3	ESE 9	Few	ASt WNW	0	8		
21	14	29.465	6.0			ESE 12	Few	Ci NW	0	7		
21	20	29.501	-6.0	6.0	-6.0	ESE 12	2	Ci NW	0	7	0	
22	8	29.497	-5.0	-2.0	-21.8	E 3	1	CiSt NW	0	7		
22	14	29.483	-3.0			SSW 6	7	CiSt NNW	0	7		
22	20	29.431	-11.8	-1.8	-11.8	SSW 5	0		0	7	0	
23	8	29.371	-1.8	-1.8	-17.4		6	6 Ci N, Few ACu NE	0	9		
23	14	29.308	-4.0			S 13	9	1 CiSt NW, 8 ACu NNE	0	5		
23	20	29.240	1.3	2.2	-3.8	S 9	9	ASt NE	0	6	.5	Lt. snow since 19:15h; be- coming steadily heavier. Lt. snow until 6h.
24	8	29.164	9.0	10.5	1.3	E 27	9	StCu ENE	Mod.	2		
24	14	29.243	8.5			E 21	9	StCu ENE	Mod.	3		
24	20	29.271	11.0	14.2	6.3	E 20	10	StCu ENE	Lt.	4	.5	
25	8	29.391	11.4	17.0	7.8	E 12	9	6 Ci NW, 3 St Cu ENE	0	8		
25	14	29.436	19.0			ENE 7	9	2 ACu ENE, 7 St- Cu ENE	0	7		
25	20	129.46	14.0	23.3	9.8	E 11	10	2 CiSt NE, 6 ASt SSW, 2 St ENE	0	7	0	
26	8	29.447	19.5	19.5	9.2	E 16	9	9 ASt E, Few St ENE	Lt.	6		Lt. snow from 0h to 6h.
26	14	29.370	15.2			ESE 15	8	CiSt NE	0	7		Solar halo at 13:10h.
26	20	29.319	12.5	19.5	12.5	S 4	9	Few CiSt ENE, 9 ASt NNE	0	7	.5	Full moon visible at 21:30h.
27	8	29.215	10.8	12.5	4.1	S 7	9	2 Ci (ENE?), 7 ACu NNW	0	8		Lt. snow fell between 0h and 6h.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloud- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	180th mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Feb. 27	14	29.186	14.0			S 4	9	2 Ci (ENE?), 7 ACu ENE.	0	7		22° solar halo from 15h to 18:30h.
27	20	29.173	5.6	14.3	4.1	ENE 12	9	1 CiSt NE, 8 StCu NE.	0	7	0	Lenticular ASt to N at 19h.
28	8	29.161	4.7	8.0	4.2	E 10	9	StCu NW.	0	6		
28	14	29.200	5.0			E 6	8	StCu NW.	0	7		
28 ¹	20	29.256	4.0	7.2	3.7	E 9	9	St NNE.	0	7	0	
Mar. 1	8	29.404	6.4	6.4	4.1	E 17	10	St E.	Lt.	6		Lt. snow from 2h to 7h.
1	14	29.445	8.6			E 13	9	5 Ci ENE, 4 St N.	Lt.	5		22° solar halo from 14h to 16h.
1	20	29.488	5.4	9.0	5.1	E 15	9	3 Ci ENE, 6 St NNE	Lt.	3	.5	
2	8	29.489	8.1	8.1	4.0	E 14	10	StCu NE.	Lt.	4		Lt. snow since soon after 0h.
2	14		10.0			ESE 9	10	St NE.	0	6		Lt. snow; snowfall by 7h, estimated at between 1 and 2 inches; very lt. snow during balance of day.
2	20	29.405	6.0	10.0	6.0	S 9	10	St NE.	0	7	2.0	Lt. snow.
3	8	29.377	-3.1	6.0	-10.0	S 11	10	StCu NW.	0	7		
3	14	29.366	-0.3			SSW 12	9	StCu WNW.	0	6		
3	20	29.346	-4.1	-0.3	-4.1	W 4	7	Few CiSt, 7 StCu WNW.	0	8	0	
4	8	29.334	-5.6	-2.7	-11.6	E 18	9	5 ASt NW, 4 ACu NW.	Lt.	5		
4	14	29.323	-2.5			E 30	10	St (N?).	Hvy.	0		
4	20	29.368	1.1	1.6	-6.8	E 21	10	StCu N.	Hvy.	1	.5	Lt. snow after 14h.
5	8	29.451	-0.7	1.1	-0.7	E 15	10	3 ASt NNE, 8 St NE.	0	6		Lt. snow.
5	14	29.437	8.0			E 15	10	St NE.	0	6		Do.
5	20	29.431	7.7	11.3	-0.7	E 11	10	St NE.	0	6	1.0	Lt. snow. Snowfall esti- mated at 1 inch.
6	8	29.157	17.0	18.1	6.2	ESE 25	10	St ENE.	Hvy.	1		Snowing.
6	14	29.034	18.8			ESE 29	10	5 ACu NE, 5 St ENE.	Hvy.	2		Lt. snow.
6	20	28.988	13.2	22.2	13.2	E 20	10	St NE.	Lt.	7	3.0	Do.
7	8	29.013	4.5	13.2	3.3	S 4	9	CiSt ESE.	0	8		CiSt produced varied halo phenomena from 8h to 11h.
7	14	29.094	11.5				0	3 CiSt NW, 5 ACu N.	0	9		
7	20	29.146	-1.3	13.0	-1.3	ENE 10	9	4 CiSt NNW, 5 ACu NNW.	0	7	0	A decided change in winds aloft today.
8	8	29.276	15.6	20.8	-9.3	WNW 8	10	St WNW.	0	6		Occasional snow in NNE. Sharp rise in temperature during night followed by windshift to WNW at 6h. Lt. snow B. 6:45h. Rapid clearing after 11h.
8	14	29.474	4.1			W 11	3	2 Ci WNW, 1 StCu WNW.	0	9		
8	20	29.607	-12.7	15.6	-12.7	W 5	2	Ci WNW.	0	9	.2	Vis. unlimited. Rise in barometer sharpest and most pronounced experi- enced here. High WNW winds aloft.
9	8	29.522	3.3	3.3	-17.7	ESE 18	10	St (E?).	Lt.	4		Lt. snow.
9	14	29.138	4.7			ESE 38	10	St.	Hvy.	0		Do.
9	20	28.801	9.3	9.3	2.8	ESE 40	10	St.	Hvy.	0	3.0	Do.
10	8	29.297	-18.0	13.4	-19.5	SW 21	10	St SW.	Lt.	4		Sastrugi visible on barrier this morning.
10	14	29.404	-14.0			WSW 7	1	ASt WNW.	0	7		Shower of ice crystals with brilliant halo phenomena at 10h.
10	20	29.427	-16.9	-10.0	-18.0	ESE 4	9	St W.	0	6	T	
11	8	29.206	4.2	20.0	-18.1	W 9	9	StCu NW.	0	6		Snow from D. A. to 10h.
11	14	29.397	-4.0			SSW 5	9	StCu WNW.	0	5		
11	20	29.499	-16.4	4.2	-18.6	S 4	8	StCu WNW.	0	9	4.0	Rapid clearing after 17h; followed by practically cloudless sky; good vis. at 19h.
12	8	29.290	-0.7	-0.7	-16.4	ESE 29	10	St.	Hvy.	1		Lt. snow since 0h.
12	14	29.166	0.0			ESE 24	10	St.	Hvy.	2		Lt. snow.
12	20	29.098	0.7	3.3	-1.2	S 10	9	StCu S.	0	6	2.0	Lt. snow until 22:30h.
13	8	29.070	-13.0	0.7	-19.0	S 9	9	4 CiSt, 5 ASt.	0	5		Lt. snow from 8:15h to 10h.

¹ Total snowfall for month, 12.7 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	180th mer.time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Mar. 13	14	29.130	-9.0			S 9			0	5		
13	20	29.150	-12.7	-4.6	-13.0	S 9	9	StCu	0	5	0	
14	8	29.034	0.5	0.5	-16.5	ESE 24	7	3 Ci WNW, 4 StCu ENE.	Mod.	3		Wind shifted to ESE about 3h, suddenly increasing in velocity.
14	14	28.928	10.9			ESE 27	9	StCu (ENE?)	Lt.	3		
14	20	28.837	10.5	10.9	0.5	ESE 28	10	St (ESE?)	Mod.	3	0	
15	8	28.822	23.0	24.0	10.5	NE 15	10	St ENE	0	3		Moderately hvy. snow fell during night, continued during morning and end- ed at 14h. When the St overcast broke up, upper layers of Ci (SE) and ACu (ENE) were visible.
15	14	28.830	23.5			NE 15	9	St ENE	0	6		
15	20	28.844	24.4	25.0	20.0	NE 9	10	St ENE	0	5	4.0	Lt. snow since 17:40h; snow- fall today estimated at 4 inches.
16	8	29.119	2.7	24.4	2.7	SSW 17	10	ACu	Lt.	6		
16	14	29.246	-0.6			SW 24	10	St	Mod.	1		Mod. snow from 13h to 15:30h. 10 St at 12:30h.
16	20	29.404	-1.1	2.7	-5.0	SSW 9	9	ACu NNW	0	8	.5	3 ACu NNW at 18:30h.
17	8	29.510	10.7	14.0	-9.4	WSW 9	9	StCu NNW	Lt.	6		Lt. drift in early morning.
17	14	29.662	-4.0			SSW 3	1	1 StCu W, Few Ci W	0	9		
17	20	29.678	-5.0	10.7	-16.0	E 10	10	1 St WNW	0	7	T	Lt. snow at 22h.
18	8	29.563	8.0	8.0	-5.0	E 15	9	1 ACu N, 8 St Cu WNW.	0	5		Lt. snow until 4h. Snow- fall during night about ¼ inch.
18	14	29.480	4.0			E 16	7	Few Ci NNW, 3 ACu NW; 4 St Cu NW.	0	9		
18	20	29.371	0	9.8	-3.6	E 15	3	1 Ci (W?), 1 ACu W, 1 StCu ENE.	0	8	.2	
19	8	29.239	-3.4	3.1	-4.8	E 17	9	6 CiSt (WNW?), 3 ACu WNW.	Lt.	8		
19	14	29.202	-3.8			E 18	10	7 CiSt WNW, 3 Ast WNW.	Lt.	6		Faint 22° halo.
19	20	29.214	-7.3	-2.5	-9.4	E 16	10	Ast N	0	7	0	
20	8	29.265	-0.3	-0.3	-9.0	E 18	10	St NE	Lt.	5		Lt. snow from 7:45h to 11h.
20	14	29.255	0.4			E 16	10	5 Ast NNE, 5 St NE.	0	7		Faint halo.
20	20	29.253	-2.9	1.4	-3.2	E 18	9	7 Ast NNE, 2 St NE.	0	8	.5	
21	8	29.159	-5.4	0.7	-5.4	E 17	10	7 CiSt NE, 2 Ast NE, 1 St NE.	0	8		
21	14		-9.0			E 18	10	8 CiSt NE, 2 Ast NE.	0	8		22° and 46° halo.
21	20	29.109	-14.6	-5.4	-14.6	E 10	8	CiSt NNE	0	8	0	
22	8	29.135	-22.0		-23.0	SE 2	8	CiSt NNE	0	9		
22	14	29.114	-20.8			SSW 4	7	4 Ci NNE, 3 CiSt NNE.	0	9		
22	20	29.077	-32.0		-32.0	SSW 5	4	Ci NNE	0	9	0	A fine bright day with un- limited vis.
23	8	28.913	-30.2	-30.2	-35.6	SSW 9	Few	CiSt NNE	0	9		
23	14	28.854	-30.0			SSW 9	Few	Ast NE	0	7		Ice crystals falling at 12h; sufficient to obscure the horizon at times.
23	20	28.799	-36.0		-36.8	SSW 5	3	Ast (ENE?)	0	9	0	
24	8	28.800	-12.2	-12.2	-36.0	E 16	9	3 ACu E, 6 StCu NE.	0	6		Parhelia at 12h.
24	14	28.867	-4.8			ENE 15	9	9 StCu E, Few St NE.	0	6		
24	20	28.904	-1.4	-1.0	-12.2	E 16	10	1 Ast, 9 St NE	0		.1	Lt. snow since 15:30h.
25	8	29.046	-6.3	0.4	-7.1	E 7	10	St ENE	0	5		Vy. lt. snow until 8h; about ¼ inch fell during night.
25	14	29.086	-3.8			ESE 14	10	St ENE	0	5		
25	20	29.105	-5.0	-2.8	-6.3	ESE 11	9	St	0		.3	Lt. snow since 18:30h.
26	8	29.296	-9.2	-4.1	-22.9	NE 8	10	StCu NNW	0	6		Lt. snow until 9h.
26	14	29.371	-13.5			NE 11	3	StCu	0	7		
26	20	29.354	-8.8	0.9	-21.7	E 15	10	St E	0	5	1.0	Mod. snow.
27	8	29.320	-4.8	-3.6	-8.8	ESE 2	10	9 Ast SSE, 1 St E	Lt.	5		Lt. snow until 9h. Par- helia due to shower of ice crystals at 11h.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Mar. 27	14	29.299	-15.6	-4.8	-22.2	SSW 5	4	ASt SSE	0	6		
27	20	29.237	-19.2	-4.8	-22.2	0	9	ASt	0		0.2	Lunar corona.
28	8	29.044	-23.9	-10.8	-23.9	0	1	1 Ci SSE, Few St	0	9		Bright sunlight.
28	14	28.962	-13.2			0	10	St SW	0	4		St. moved in from SW at 9h.
28	20	28.927	-14.8	-10.8	-26.0	SW 5	10	St SW	0		0	
29	8	28.849	-12.9	-11.9	-30.0	0	10	St SW	0	5		
29	14	28.819	-14.6			E 3	10	St NNE	0	5		
29	20	28.769	-8.6	-8.6	-17.2	E 12	10	St (NNE?)	0		.2	Lt. snow since 17h.
30	8	28.814	-9.0	-3.6	-9.0	SE 8	10	Nb SE	0	5		Lt. snow until 10h.
30	14	28.880	-15.8			SSW 5	10	St SE	0	6		Parhelia at 10:15h.
30	20	28.940	-26.0	-9.0	-26.0	ESE 10	2	ASt S	0	7	1.0	Corona. Aurora Australis observed for first time at 23h.
31	8	29.098	-29.0	-23.2	-29.0	E 4	9	St	0	8		
31	14	29.150	-33.5			0	5	St ESE	0	7		
31 ²	20	29.168	-39.8	-24.0	-41.6	ESE 6	Few	St NE	0		0	Bright moon.
Apr. 1	8	29.175	-45.4		-47.0	S 4	0		0	9		Looming of Barrier to S and SW.
1	14	29.121	-43.0			SSW 2	Few	ASt SW	0	9		
1	20	29.030	-46.5		-49.8	S 6	0		0	7	0	
2	8	29.020	-46.4		-47.9	WSW 9	Few	StCu WSW	0	9		Bright sunlight, unlimited vis.
2	14	29.141	-44.8			0	1	ASt	0	9		
2	20	29.227	-47.5		-50.0	0	2	CiSt N	0	9	0	
3	8	29.288	-35.0		-48.4	SE 5	4	Ci N	0	9		
3	14	29.290	-34.5			SW 3	1	Ci NE	0	9		
3	20	29.277	-40.5		-40.5	SW 10	Few	Ci (NE?)	0	9	0	
4	8	29.282	-37.5		-41.3	SW 9	6	1 CiSt NNE, 5 ACu SSW.	0	9		
4	14	29.310	-38.8			SW 6	Few	ASt	0	9		
4	20	29.320	-45.1		-45.1	0	0		0		0	Bright moonlight.
5	8	29.352	-27.5		-47.0	SW 4	10	St SW	0	4		Lt. fog; nearly dn. at 8:30h and forming rime on windward side of exposed objects.
5	14	29.308	-25.2			SW 3	10	St	0	3		Mod. fog.
5	20	29.267	-19.4	-19.4	-27.5	NE 3	10	St NE	0	2	0	Few flakes of snow falling.
6	8	29.265	-22.0		-22.8	SSW 8	10	St SSW	0	4		Mod. fog.
6	14	29.304	-26.5			SSW 4	8	CiSt NW	0	8		Lt. fog until 10:30h.
6	20	29.322	-26.0		-32.4	SW 9	2	Ci	0		0	
7	8	29.334	-26.6		-28.7	SSW 12	0		0	5		Shower of ice crystals with 22° halo, parhelia and upper tangent arc at 9h.
7	14	29.379	-35.0			0	7	St SSW	0	5		
7	20	29.402	-35.6		-35.6	SW 5	Few	StCu SSW	0		0	
8	8	29.376	-34.5		-35.8	0	Few	ASt	0	9		
8	14	29.257	-30.5			SSW 10	10	St SSW	0	5		Lt. fog since 13h.
8	20	29.079	-19.8	-19.8	-38.9	SW 8	10	St SSW	0		T	Lt. fog until 23h. Lt. snow until after 24h.
9	8	28.853	-31.8		-32.5	SSW 5	10	St SSW	0	5		Lt. snow since 6:45h.
9	14	28.838	-22.9			E 17	10	ASt	Lt.	4		Lt. snow.
9	20	28.968	-18.5		-31.8	E 19	10	St	Lt.		.2	Do.
10	8	29.206	-15.3		-18.5	ESE 11	2	2 Ci NNE, Few St ENE.	0	9		Lt. snow ended 2h.
10	14	29.262	-25.0			SSW 2	Few	ASt E	0	9		Clear after 9:30h.
10	20	29.249	-27.8		-29.4	SW 5	0		0		T	
11	8	29.080	-30.0		-30.0	SW 4	Few	St SE	0	9		Ice crystals falling all day, attended by halo phenomena.
11	14	29.045	-35.5			SE 5			0	9		
11	20	29.034	-33.0		-37.2	E 12	0		0		0	
12	8	29.016	-29.3		-34.3	E 3	10	St	0	3		Lt. fog. Dn. fog until 7:30h.
12	14	29.063	-23.3			WSW 3	10	St	0	4		CiSt SE at 9:30h.
12	20	29.123	-20.8	-12.4	-32.0	ENE 9	2	St	0		T	Lt. fog until 17h.
13	8	29.322	-6.5	-4.0	-20.8	NE 11	10	St	0	4		Lt. snow from 17:10h to 22:30h.
13	14	29.417	1.8			N 15	10	St NNE	0	3		Lt. snow since 12:35h.
13	20	29.485	3.7	3.7	-6.5	ENE 13	10	Nb	0		.2	Lt. snow until 2:30h.
14	8	29.488	-4.8		-4.8	E 19	10	St ENE	Mod.	3		
14	14	29.641	-6.5			E 18	10	St ENE	Lt.	3		Vy. lt. snow since 12h.

²Total snowfall for month, 24.2 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	180th mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Apr. 14	20	29.647	-7.1	-4.8	-8.0	E 14	10	St	Lt.	0-9	0.5	Lt. snow. Watersky along NW and N horizon.
15	8	29.634	-7.3		-9.0	SSW 2	10	St	0	3		Lt. fog since 6h.
15	14	29.603	-9.5			SSW 7	10	St	0	3		Lt. fog. Lt. snow since 9:55h. Mod. water sky in NW and N.
15	20	29.549	-8.8	-6.3	-10.1	SW 10	10	Nb SW	0		.1	Mod. snow; large flakes, until 8:30h.
16	8	29.496	-11.2	-7.0	-13.0	SW 12	10	St	0	6		A few flakes of snow fell from 8:30h until 12h.
16	14	29.498	-12.0		-12.0	SSW 10	9	St	0	6		Mod. water sky in NW and N.
16	20	29.469	-16.8		-16.8	SSW 4	4	St O	0		T	
17	8	29.576	-21.3		-32.8	SW 7	6	StCu S	0	7		
17	14	29.643	-31.2			SW 7	0		0	9		Vy. lt. snow from 8:30h to 12h.
17	20	29.706	-38.0		-38.0		0		0		T	Stars brilliant.
18	8	29.754	-24.8		-39.8	SSW 4	8	3 ASt WSW, 5 ACu WSW.	0	7		
18	14	29.713	-27.0			SW 4	8	CiSt SW	0	9		
18	20	29.681	-23.6		-29.9	SW 7	5	CiSt (SW?)	0		0	The CiSt broke up slowly allowing bright starlight during most of evening.
19	8	29.603	-28.0		-37.8	SW 8	9	StCu SSW	0	7		
19	14	29.551	-32.2			SW 7	1	StCu SSW	0	9		Last day sun is visible.
19	20	29.490	-35.2		-36.4	WSW 9	Few	StCu SW	0		0	Ice crystals falling.
20	8	29.457	-28.3		-37.0	E 13	9	St	0	5		Lt. snow B. 8:15h.
20	14	29.430	-35.7			E 17	10	StCu	Lt.	4		Lt. snow until 17h.
20	20	29.405	-43.4		-43.4	E 15	1	StCu SSE	Lt.		.5	Bright moon.
21	88	29.347	-46.6		-47.7		0	3 ASt N	0	9		A bank of ACu moved in slowly from N and NE at 7h.
21	14	29.285	-33.0			ESE 18	10	StCu (0)	Lt.	3		Lt. fog B. 14:30h.
21	20	29.199	-25.4		-51.5	ESE 15	10	St	Lt.		T	Lt. snow since 17h. Lt. fog until 20:30h.
22	8	29.106	-18.2		-26.5	E 21	10	St	Mod.	2		Lt. snow.
22	14	29.115	-18.4			E 21	10	StCu	Mod.	2		Lt. snow until 15h.
22	20	29.125	-21.2		-21.2	E 16	4	CiSt	Lt.		1.0	22° lunar halo and upper tangent arc.
23	8	29.155	-24.4		-24.4	E 20	9	CiSt (ENE?)	Lt.	4		
23	14	29.246	-33.4				10	CiSt ENE	0	9		Full moon.
23	20	29.266	-36.5		-37.8		5	CiSt NE	0		0	22° lunar halo.
24	8	29.163	-40.6		-40.6	SW 15	4	Ci (ENE?)	0	9		
24	14	29.041	-50.6			SW 6	7	3 ACu, 4 St SSW	0	8		Bright corona.
24	20	28.978	-56.0		-56.0	SSW 12	4	St SSW	0		0	
25	8	28.879	-56.1		-58.0		1	ASt	0	7		
25	14	28.853	-50.6			ENE 9	3	2 Ci (WSW?), 1 St WSW.	0	7		
25	20	28.835	-38.7		-56.7	ENE 15	10	St NE	Lt.		.1	Snowing. Clouds thin; moon faint; faint corona until 24h.
26	8	28.885	-28.4		-39.6	E 24	10	St	Mod.	3		Lt. snow.
26	14	28.978	-22.5			E 21	10	St	Mod.	2		Do.
26	20	29.068	-23.3		-31.1	ESE 14	10	St	Lt.		2.0	Do.
27	8	29.116	-43.2		-43.2	SSW 4	4	St SW	0	9		Lunar corona. Lt. snow ended 4:15h.
27	14	29.117	-47.8			E 4	0		0	9		Bright moonlight.
27	20	29.157	-44.5		-48.8	E 11	0		0		T	A thin layer of St just above the surface at 22h; wind shifted suddenly to NW.
28	8	29.203	-34.6		-47.1	ESE 12	10	St	0	6		Snow B. 8:15h.
28	14	29.323	-22.6			E 21	10	St	Lt.	3		Lt. snow until 18h.
28	20	29.379	-25.2		-34.6	ESE 7	2	St SE	0		1.0	22° halo and upper tangent arc; cleared about 18:30h.
29	8	29.322	-33.2		-40.5	SW 7	7	CiSt ENE	0	8		
29	14	29.314	-28.2			SSW 9	9	3 CiSt ENE, 6 ASt ENE.	0	8		
29	20	29.271	-37.4		-37.4	SW 3	1	St E	0		0	Brilliant moonlight.
30	8	29.258	-42.0		-44.3	ENE 16	Few	ASt	0	9		
30	14	29.254	-41.1			E 14	4	1 Ci NW, 3 ASt NW.	0	9		
30 ¹	20	29.202	-30.8		-43.1	E 16	8	CiSt	0		0	

¹ Total snowfall for month, 5.6 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
1929 May	1	8 28.963	1.8		-30.8	E 24	10	St	Hvy.	2		Lt. snow since 24h.
	1	15 28.899	7.5			E 27	10	St	Hvy.	1		Mod. snow.
	1	20 28.916	9.3		1.8	ESE 24	10	St	Hvy.		3.0	Hvy. snow.
	2	8 29.077	3.0		3.0	ESE 12	10	St		5		Snow ended 1h.
	2	14 29.174	8.0			ESE 13	10	St		5		Water sky in NW.
	2	20 29.286	14.5			NE 14	10	St			.2	Open lead in bay along East Barrier 1 mile from camp.
	3	8 29.364	8.9		8.9		0	St		5		Lt. snow from 6:40h to 9h.
	3	14 29.343	-6.4			ESE 21	10	St	Lt.	3		Lt. snow from 12:15h to 18h. Lt. fog from 10:40h to 17h.
	3	20 29.352	-22.6			ESE 13	3	St			.2	
	4	8 29.335	-32.0		-34.0	SSW 7	1	CiSt		9		
	4	14 29.288	-36.3			S 8	1	Ci		9		
	4	20 29.222	-40.0		-41.8	S 7	0				0	Ice crystals falling. Moon pillar at 16:45h.
	5	8 29.044	-37.8		-41.0	SSW 9	Few	ASt		8		The bay is entirely frozen over; also the Ross Sea as far as the eye can see.
	5	14 28.984	-41.0			SSW 6	0			8		
	5	20 28.919	-41.8		-42.6	WSW 5	0				0	
	6	8 28.884	-45.1		-46.3		0	Ci		8		
	6	14 28.922	-44.8			SW 3	3	Ci		8		
	6	20 28.974	-45.0		-46.2	S 5	2	Ci (N?)			0	
	7	8 28.961	-44.0		-46.7		0	Few ACu, 3 St		5		
	7	14 28.922	-44.5			SW 5	3	St		5		Ice crystals falling since 8h.
	7	20 28.871	-45.2		-45.8	SW 15	0				0	Ice crystals falling until 23h.
	8	8 28.864	-50.0		-50.0	SE 2	4	3 Ci, 1 ASt		8		
	8	14 28.838	-39.0			ESE 12	10	St		3		Lt. snow.
	8	20 28.858	-24.6		-51.0	E 15	10	St	Lt.		.2	Mod. snow.
	9	8 28.950	-7.1		-24.6	NNE 11	10	St		5		Lt. snow.
	9	14 29.027	-4.8			N 16	10	St		4		Lt. snow until 17:30h.
	9	20 29.156	-27.4		-27.4	WSW 4	3	St			.2	
	10	8 29.128	-14.6		-35.0	ENE 16	10	St	Lt.	4		Lt. snow from 2h to 12h.
	10	14 29.077	-12.8			E 16	8	6 CiSt, 2 St	Lt.	4		
	10	20 28.993	-4.7		-17.8	E 19	8	St	Lt.		.1	Stars visible.
	11	8 28.928	-2.3		-7.0	ENE 20	10	St	Mod.	3		Mod. snow since 12h.
	11	14 28.943	-5.0			E 18	6	ASt	Lt.	5		Lt. snow until 14:30h.
	11	20 28.978	-6.0		-7.4	E 4	2	ASt			.5	
	12	8 28.951	-20.3		-20.3	SSW 3	2	Ci		8		
	12	14 28.933	-23.6				0	1 CiSt, Few St ESE		8		
	12	20 28.922	-25.3		-26.0	SW 9	8	4 CiSt, 4 St			0	Stars visible.
	13	8 28.909	-31.5		-31.5	SSW 6	4	3 CiSt, 1 StCu		8		
	13	14 28.918	-35.4			SW 8	4	CiSt		8		
	13	20 28.932	-32.1		-36.4	SSW 6	0				0	
	14	8 28.999	-36.3		-38.2	SW 7	0			8		
	14	14 29.051	-35.0			SW 5	0			9		
	14	20 29.009	-36.0		-40.0	SSW 8	0				0	
	15	8 28.859	-47.5		-48.2		0			9		
	15	14 28.783	-49.3			SSW 2	Few	Ci		8		
	15	20 28.716	-43.2		-49.4	SSW 5	1	StCu SW			0	
	16	8 28.646	-44.2		-47.5	SW 9	1	StCu SSW				
	16	14 28.653	-38.1			WSW 9	9	StCu SW		8		
	16	20 28.685	-31.7		-44.2		3	StCu SW			0	The StCu broke up rapidly after 19h. and passed off to the NE.
	17	8 28.845	-30.2		-37.2		0	St				
	17	14 28.893	-24.3				0	St		5		Narrow streak of water sky along N and NW horizon.
	17	20 28.947	-38.6		-40.3	S 15	1	ASt (ESE?)			0	Bright moon.
	18	8 28.952	-44.0		-44.0		0	CiSt		7		
	18	14 28.912	-46.3			ENE 7	Few	StCu		9		
	18	20 28.889	-30.0		-49.2	E 10	10	3 CiSt, 7 StCu			T	
	19	8 28.792	-15.5		-30.0	E 9	10	St				
	19	14 28.750	-11.5			E 9	10	St		5		Vy. lt. snow from 10h to 17h.
	19	20 28.734	-11.4		-15.5	ENE 10	8	St E				Bright moon.
	20	8 28.724	-23.1		-23.1	SSW 6	7	St			T	
	20	14 28.656	-34.7			SSW 4	2	St SE		8		
	20	20 28.487	-29.3		-35.0	SW 9	9	St			.3	Snowing since 5:45h. Moon visible until 22h.
	21	8 28.611	-41.4		-41.9	SW 2	2	1 CiSt, 1 St				Lt. snow until 5h.
	21	14 28.735	-17.3			NNE 11	9	St NNE		5		Lt. snow from 11:30h to 19:45h.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	180th mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
May 21	20	28.839	-15.8		-41.4	N 14	7	St N	0		0.5	Lunar corona. Bright moon.
22	8	28.988	-18.7		-21.7	NE 7	9	St NNE	0			Lt. snow from 11:15h to 2h.
22	14	29.004	-10.3			NE 12	10	St NNE	0	4		Lt. snow from 11h to 17h.
22	20	29.063	-17.3		-18.7	S 2	10	StCu N	0		T	Corona at 21:30h.
23	8	29.040	-14.7		-18.3	E 14	10	St	0			Lt. snow from 6:30h to 11:30h.
23	14	29.015	-15.0			S 6	10	St	0	5		Thin band of water sky along N horizon.
23	20	28.929	-13.5		-16.0	SSW 10	10	St	0		T	
24	8	28.771	-11.7		-16.8	SW 4	10	6 CiSt, 4 St	0			Occasional lt. snow. Faint 22° lunar halo from 1h to 9h.
24	14	28.746	-5.0			SSE 5	10	5 CiSt, 5 St (E?)	0	5		
24	20	28.785	-12.3		-13.0	SSE 7	9	7 CiSt, 2 St	0		T	
25	8	28.757	-15.7		-18.8	E 14	3	2 CiSt W, 1 StCu NE	0			Ice crystals falling. Brilliant 22° halo. Lt. snow 0 to 6h.
25	14	28.750	-15.7			E 19	1	StCu (NE?)	Lt.	7		Brilliant moon.
25	20	28.801	-2.0		-19.7	ESE 18	10	St NE	Lt.		T	Lt. snow B. 17:50h.
26	8	28.743	5.0		-4.9	SSE 12	10	6 CiSt, 4 St	0			Lt. drift during night. Lt. snow until 9:45h.
26	14	28.629	-20.6			WSW 14	10	7 CiSt, 3 St	0	5		Moon faint. Faint parhelia and 22° lunar halo.
26	20	28.516	-32.1		-32.1	SW 15	7	CiSt S	0		0	
27	8	28.364	-43.1		-43.1	E 2	Few	Ci	0			CiSt thick at 3h; passing to W at 5h.
27	14	28.410	-34.2			E 11	10	St	0	4		
27	20	28.479	-27.1		-45.2	ESE 18	10	St	Lt.		.5	Lt. snow since 15h.
28	8	28.729	2.5		-26.0	E 10	10	St	0			Lt. snow until 11h.
28	14	28.824	-3.4			ESE 21	5	StCu ENE	Mod.	5		
28	20	28.948	0.3		-5.7	ESE 17	10	St	Lt.		1.5	Snow since 19th.
29	8	29.101	-7.0		-9.5	E 5	5	St S	0			Lt. snow. Clouds vy. thin.
29	14	29.075	-3.2			S 3	2	Ci	0	5		Lt. snow.
29	20	29.016	-3.3		-12.3	WSW 8	10	St	0		.3	Lt. snow until 23h. Bright 22° lunar halo at 21:30h.
30	8	28.928	-27.3		-27.3	WSW 7	1	StCu (W?)	0			
30	14	28.876	-28.6			WSW 10	9	4 CiSt, 5 St	0	5		Lt. snow from 13h to 16:10h.
30	20	28.924	-28.8		-32.8	WSW 6	5	CiSt	0		.1	Paraselenae and moon pillar at 21h.
31	8	28.938	-34.5		-36.0		0	St	0			CiSt along the horizon.
31	14	28.981	-31.5			WSW 5	10	St	0	5		Few flakes of snow falling from 12:20h to 3h.
31 ⁴	20	29.087	-29.0		-34.5	E 3	10	St	0		T	
June 1	8	29.207	-26.2		-34.0	E 15	10	St	Lt.			Lt. show from 4h to 11h.
1	14	29.199	-27.7			ESE 15	Few	St	0			Sudden clearing of St. at 13h.
1	20	29.181	-23.5		-30.5	ESE 19	3	StCu	Lt.		.1	
2	8	29.183	-22.0		-23.8	ESE 19	10	St	Lt.			Lt. snow since 1h.
2	14	29.190	-25.8			ESE 12	10	St	0			Mod. snow until 17:30.
2	20	29.155	-31.0		-31.0	E 7	10	St	0		.5	St cleared away quickly at 21h.
3	8	28.744	-50.5		-50.5		0		0			Shower of ice crystals produced bright lunar pillar in early morning.
3	14	28.568	-56.0				0	Ci	0			
3	20	28.497	-54.8		-56.8	ESE 2	1	St	0		0	
4	8	28.882	-19.0		-56.8	NNE 24	1	StCu NNE	Lt.			
4	18	29.168	-30.0			E 12	1	StCu	Lt.			
4	20	29.138	-30.3		-33.2	ESE 21	0		Lt.		0	
5	8	29.182	-34.4		-34.4	SW 5	0		0			Lt. drift during night.
5	14	29.453	-46.6				0	St	0			
5	20	29.564	-41.4		-48.9	NE 11	0		0		0	
6	8	29.305	12.4		-42.0	ESE 24	10	St	Hvy.			Wind SW at 21:30h, SSE at 22:30h, E at 23:30h, and velocity increasing.
6	14	29.161	5.4			S 18	4	StCu SE	0			Mod. snow from 1:30h to 9:15h. The temperature rise amounted to 65° in 20 hours. A pronounced water sky visible from NW to NE.
6	20	29.120	-16.6		-17.0	S 15	1	StCu SSE	0		1.0	
7	8	28.936	-25.4		-25.4	S 9	3	2 CiSt, 1 St	0			
7	14	28.905	-17.7			S 7	9	7 CiSt, 2 StCu	0			

⁴ Total snowfall for month, 7.6 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
June 7	20	29.022	13.2	—25.9	—25.9	NNE 21	10	St	Lt.	0	0.2	Lt. snow from 16:50h to 22h.
8	8	29.226	—2.7	—6.2	—6.2	NNE 9	2	StCu N	0	—	—	Lt. snow from 2h to 4h.
8	14	29.233	—9.4	—	—	ESE 3	3	CiSt	0	—	—	
8	20	29.239	—11.3	—14.9	—14.9	SSW 3	4	2 CiSt, 2 St ESE	0	—	T	
9	8	29.135	—1.4	—11.3	—11.3	ESE 9	9	7 CiSt, 2 St E	0	—	—	
9	14	29.110	1.8	—	—	E 21	10	St E	Lt.	—	—	Lt. snow from 10h to 16h.
9	20	29.044	3.3	—1.4	—1.4	ESE 13	1	St	Lt.	—	.5	Lt. snow B. 20:45h.
10	8	28.922	7.2	—1.5	—1.5	E 18	4	CiSt	Lt.	—	—	Lt. snow.
10	14	28.901	5.0	—	—	E 18	7	4 CiSt, 3 St NE	Lt.	—	—	Do.
10	20	28.910	3.3	3.3	3.3	ENE 9	5	3 StCu (ENE?) 2 St NE	0	—	2.0	Lt. now E. D. P.
11	8	28.985	10.2	—1.3	—1.3	E 5	10	St ENE	0	—	—	Lt. snow since 5:30h, chang- ing to mist at 11:35h.
11	14	29.008	10.0	—	—	E 5	10	St	0	—	—	Misting. Thin coating of ice on exposed objects. Lt. fog from 18h to 23h. 1½ inches of rime on windward side of wires. Mist and a few flakes of snow falling until 23:30h.
11	20	29.035	9.2	7.9	7.9	E 4	9	St NNW	0	—	T	
12	8	29.069	—2.5	—3.4	—3.4	S 2	2	St W	0	—	—	
12	14	29.065	—10.9	—	—	—	0	Ci	0	—	—	
12	20	29.085	—19.2	—19.2	—19.2	—	0	—	0	—	0	
13	8	29.120	—16.3	—24.6	—24.6	ENE 3	5	3 CiSt, 2 St	0	—	—	Lt. snow since 13:15h.
13	14	29.131	—4.2	—	—	ESE 11	8	3 CiSt, 5 St	0	—	—	Lt. snow.
13	20	29.159	—3.0	—16.8	—16.8	ESE 11	9	St	0	—	.5	Do.
14	8	29.218	—3.5	—4.8	—4.8	E 18	10	St	Lt.	—	—	Mod. snow.
14	14	29.263	—3.3	—	—	E 13	10	St	0	—	—	Mod. snow until 22:15h.
14	20	29.319	—5.1	—5.1	—5.1	E 9	10	St	0	—	2.5	
15	8	29.397	—8.0	—9.2	—9.2	E 3	10	St	0	—	—	
15	14	29.387	—9.8	—	—	E 5	7	St	0	—	—	St breaking up and passing to N.
15	20	29.363	—31.7	—31.7	—31.7	E 3	4	3 Ci (SE?), 1 St SSE	0	—	0	Faint 22° lunar halo at 19h.
16	8	29.246	—42.0	—43.1	—43.1	—	0	—	0	—	—	
16	14	29.286	—40.0	—	—	E 5	1	CiSt	0	—	—	
16	20	29.262	—28.3	—43.2	—43.2	SSW 3	2	1 CiSt, 1 St	0	—	0	Faint 22° lunar halo.
17	8	29.161	3.3	—28.9	—28.9	SSE 13	10	St	0	—	—	Lt. snow from 3:30h to 7h.
17	14	29.086	9.5	—	—	E 12	10	St	0	—	—	Lt. snow from 11h to 13:30h.
17	20	29.077	7.7	0.0	0.0	ESE 21	10	St	Lt.	—	.2	Moon faint. Vy. faint 22° lunar halo visible at times.
18	8	29.106	4.4	0.9	0.9	ESE 16	10	St	0	—	—	Mod. snow since 24h.
18	14	29.108	5.3	—	—	ESE 12	1	A St, 9 St	0	—	—	Lt. snow.
18	20	29.137	10.1	3.9	3.9	ESE 18	10	St	Lt.	—	2.0	Lt. snow. Moon faint.
19	8	29.171	13.7	7.8	7.8	NE 24	10	St	Mod.	—	—	Hvy. snow.
19	14	29.276	10.1	—	—	N 18	10	StCu N	0	—	—	Mod. snow changing to mist at 18h.
19	20	29.384	9.1	9.1	9.1	NNE 6	10	St N	0	—	3.0	Misting until 20:40h.
20	8	29.578	2.2	2.2	2.2	S 5	10	St	0	—	—	22° lunar halo at 1h.
20	14	29.654	5.0	—	—	SW 4	10	St	0	—	—	Lt. snow from 8:50h to 16h.
20	20	29.720	9.4	0.9	0.9	ENE 6	9	7StCu E, 2St NE	0	—	T	
21	8	29.781	—0.8	—0.8	—0.8	—	0	CiSt (ENE?)	0	—	—	Lt. snow from 0h to 5:30h.
21	14	29.792	1.2	—	—	E 9	10	AST E	0	—	—	Mod. snow since 8:40h.
21	20	29.790	—3.0	—3.0	—3.0	E 11	5	3CiSt, 2AST	0	—	.6	Vy. lt. snow. Brilliant moon. Lunar corona.
22	8	29.731	—10.3	—13.6	—13.6	SW 2	9	6CiSt, 3AST N	0	—	—	22° lunar halo at 4h.
22	14	29.721	—3.4	—	—	SSE 3	9	AST N	0	—	—	
22	20	29.709	—1.9	—10.3	—10.3	SE 11	10	AST (N?)	0	—	0	
23	8	29.632	—3.3	—5.3	—5.3	E 9	10	8AST (NNE?), 2St Cu (NE?)	0	—	—	
23	14	29.565	—6.3	—	—	E 3	9	6CiSt NNW, 3AST NNE	0	—	—	
23	20	29.489	—10.9	—10.9	—10.9	WNW 5	9	AST NNW	0	—	0	22° lunar halo from 18h to 24h.
24	8	29.424	—5.7	—15.6	—15.6	E 3	10	5AST, 5St	0	—	—	Lt. snow since 4:20h.
24	14	29.405	0	—	—	E 7	10	5AST, 5St	0	—	—	Lt. snow. Moon faint.
24	20	29.351	4.0	—5.7	—5.7	E 18	10	St	Lt.	—	.5	Lt. snow until 21:30h.
25	8	29.305	6.8	—1.1	—1.1	ENE 18	10	St	Lt.	—	—	Lt. snow since 2h.
25	14	29.237	8.0	—	—	NE 32	10	St	Hvy.	—	—	Lt. snow.
25	20	29.181	7.8	6.3	6.3	NE 27	10	St	Lt.	—	2.5	Lt. snow until 24h.
26	8	29.293	—16.5	—16.5	—16.5	NNE 12	8	6StCu N, 2St N	—	—	—	Lt. snow from 8:30h to 10:30h. Faint 22° lunar halo.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
June 26	14	29.490	-5.1			NNW 13	10	St N or NW		0		Vy. lt. snow from 13:15h to 15:15h.
26	20	29.710	-8.0		-16.5	NW 3	9	5Ast, 4St NW		0	T	
27	8	30.011	-6.2		-22.8	NE 7	10	St NE		0		
27	14	30.028	-9.9			E 11	10	St NE		0		
27	20	29.979	-9.0		-15.8	E 21	10	St NE		Lt.	.2	Lt. snow from 18h to 22:15h.
28	8	29.748	-8.5		-9.8	E 16	10	St (NNE?)		Lt.		Lt. snow from 0h to 10h.
28	14	29.705	-7.2			E 13	8	St NNE		0		
28	20	29.703	-6.3		-8.5	ESE 10	8	St		0	.3	Few flakes of snow falling.
29	8	29.651	-9.5		-10.0	SSW 3	7	3 CiSt, 4 Ast (WNW?)		0		Lt. snow since 3:30h. 22° lunar halo from 3:30h to 4:30h.
29	14	29.681	-20.0				0	1 Ast WNW		0		Ice crystals falling.
29	20	29.701	-26.2		-26.2		0	St		0	T	
30	8	29.653	-37.5		-38.0	SW 10	4	2 Ci, 2 St SW		0		
30	14	29.593	-31.2			SW 8	6	2 CiSt, 4 Ast		0		
30 ⁵	20	29.556	-27.8		-37.5	SSW 7	10	St		0	.1	Lt. snow from 15h to 21:45h. Rapid clearing of St at 24h.
July	1	8	29.493	-47.5	-47.5	SW 11	Few	Ci		0		
1	14	29.485	-53.6			SW 6	Few	Ci		0		
1	20	29.477	-56.6		57.0	SW 7	0			0	0	
2	8	29.479	-53.7		-60.0	SW 4	0			0		
2	14	29.476	-58.0				0			0		
2	20	29.430	-63.8		-63.8	S 6	0			0	0	Cloudless throughout the day.
3	8	29.113	-51.7		-63.8	SW 9	2	St SSW		0		Lt. snow from 9h to 10:30h.
3	14	29.036	-48.4			SW 20	1	St	Mod.			
3	20	29.117	-56.0		-58.0	SW 22	0		Mod.		T	
4	8	29.265	-60.0		-60.8	SSW 5	Few	St (S?)		0		
4	14	29.277	-49.3			E 12	2	Ci		0		
4	20	29.285	-58.3		-60.0	SSW 2	Few	Ci		0	0	Scattered Ci visible in N most of day.
5	8	29.090	-57.7		-60.7	NE 3	1	Ci		0		
5	14	28.775	-54.1			SW 8	6	CiSt		0		Wind shifted suddenly to SE at 15:15h.
5	20	28.314	-10.2		-59.2	SE 34	10	St (SE?)	Hvy.		1.0	Mod. snow from 17h to 24h. Extreme velocity of wind 54 m. p. h. at 22:03h.
6	8	28.280	-35.4		-35.4	SW 24	7	Ci	Mod.			Wind shifted to SSW at 1:15h.
6	14	28.568	-45.8			SW 16	Few	St		0		Clear at 12h.
6	20	28.818	-45.2		-48.5	SSW 6	2	CiSt		0	T	
7	8	28.947	-23.9		-53.7	NNE 12	1	St		0		Lt. snow since 5h. with rapid formation of St and shift of wind to NE.
7	14	28.930	-41.2				0	2 Ast (NW?)		0		
7	20	28.919	-47.3		-48.0		0	1 Ci		0	.2	
8	8	29.020	-59.2		-59.2	SW 6	0			0		
8	14	29.013	-63.0			SW 3	Few	Ast (WNW?)		0		
8	20	28.965	-62.0		-64.0	SSW 3	Few	Ast (WNW?)		0	0	
9	8	28.864	-63.6		-63.6	SW 5	0			0		
9	14	28.907	-66.2			SSW 9	0			0		
9	20	28.955	-70.1		-70.1	S 2	1	Ci (NW?)		0	0	Slight cracking noises heard repeatedly in the evening.
10	8	29.043	-58.0		-71.1	SE 2	2	Ast		0		
10	14	29.110	-65.1				0			0		Crescent moon.
10	20	29.193	-65.8		-67.4	SW 2	Few	Ci		0	0	
11	8	29.408	-49.8		-66.0	SW 18	2	Ast		Lt.		
11	14	29.447	-62.2		-63.8	WSW 15	0			0		
11	20	29.371	-57.4		-63.8	SW 18	Few	St		Lt.	0	Hazy along NW horizon.
12	8	29.147	-47.0		-57.4	WSW 18	4	Ast		0		
12	14	29.116	-49.2			SW 2	2	1 Ci, 1 Ast		0		
12	20	29.147	-57.0		-57.0	E 5	3	2 CiSt, 1 Ast		0	0	Ice crystals falling at 21:30h.
13	8	29.093	-65.8		-66.8	SW 2	Few	Ast		0		
13	14	29.043	-64.8			ENE 2	4	2 Ci, 2 Ast		0		
13	20	29.031	-52.8		-66.5	S 6	4	CiSt		0	T	Lt. haze; very faint 22° lunar halo, paraselenae and lunar cross. Vy. lt. snow B. 20:45h.
14	8	28.999	-36.8		-54.8	E 12	2	1 CiSt, 1 Ast		0		Vy. lt. snow ended 3:30h.
14	14	28.945	-49.3			SSW 3	Few	Ci		0		

⁵Total snowfall for month, 16.2 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	180th mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
July 14	20	28.876	-47.8	-----	-51.0		0	9 CiSt, Few St SSE		0		Bright 22° lunar halo from 17h to 21h.
15	8	28.796	-26.9	-----	-47.8	SSW 13	4	CiSt		0		
15	14	28.780	-23.6	-----	-----	ESE 20	6	Ci	Lt.	0		22° lunar halo at 12h.
15	20	28.844	-39.3	-----	-39.3	SSW 2	2	ASt		0	0	
16	8	28.730	-41.2	-----	-46.3	SW 9	6	Ci		0		
16	14	28.742	-41.5	-----	-----	SW 9	4	Ci		0		22° lunar halo.
16	20	28.735	-43.0	-----	-44.8	SW 7	3	Ci		0	0	22° lunar halo. Ice crystals falling; horizon very hazy.
17	8	28.665	-46.3	-----	-48.2	SSW 4	Few	Ci		0		Full moon; paraselenae from 3:30h to 8h. Ice crystals falling until 6h.
17	14	28.652	-52.2	-----	-----	SW 4	0			0		
17	20	28.672	-54.8	-----	-55.6	SE 4	0			0	0	
18	8	28.764	-44.3	-----	-56.3	ENE 12	8	St ENE		0		St moved in rapidly at 7:35h.
18	14	28.764	-25.3	-----	-----	E 14	10	St		0		Lt. snow from 11:15h to 14:15h.
18	20	28.714	-32.2	-----	-44.3	SSW 5	1	Ci		0	T	Bright 22° lunar halo.
19	8	28.612	-40.2	-----	-43.0	W 7	10	St		0		Rapid formation of St and windshift to W at 7:30h.
19	14	28.579	-19.8	-----	-----		0	St		0		Brilliant lunar corona visible until 20h.
19	20	28.646	-23.7	-----	-40.2	NW 6	9	StCu SW		0	0	
20	8	28.710	-10.0	-----	-30.9	ENE 8	10	St		0		Mod. snow since 3:30h.
20	14	28.834	0.7	-----	-----	NNW 5	10	St		0		Lt. snow until 14:15h.
20	20	28.945	-10.1	-----	-10.1	SW 7	10	St WNW		0	.5	
21	8	28.987	-37.8	-----	-39.1	SW 4	9	CiSt		0		Faint 22° lunar halo.
21	14	28.943	-32.1	-----	-----	E 8	9	5 CiSt, 4 St E		0		Brilliant moonlight.
21	20	28.883	-29.9	-----	-40.2	S 6	9	5 CiSt, 4 St		0	0	Bright lunar corona.
22	8	28.910	-37.5	-----	-44.0		5	5 CiSt, Few St		0		22° lunar halo, upper tangent arc and paraselenae.
22	14	28.899	-38.5	-----	-----		0	2 CiSt, 8 St		0		St moved in rapidly at 12:30h.
22	20	28.856	-33.0	-----	-40.1	S 5	7	StCu SSW		0	0	
23	8	28.828	-32.8	-----	-33.4	E 2	8	5 ASst WSW, 3 St		0		Lt. snow from 0h to 3:30h.
23	14	28.840	-35.3	-----	-----	ENE 2	4	4 CiSt, Few StCu		0		
23	20	28.893	-39.1	-----	-39.1		6	6 CiSt, Few St SW		0	T	
24	8	29.068	-53.8	-----	-53.8	SW 7	1	Ci		0		Lunar pillar.
24	14	29.106	-56.1	-----	-----		4	Ci		0		Thin St drifted in from (NE?) about 17h.
24	20	29.079	-44.3	-----	-58.6	ENE 5	10	StCu		0	T	Vy. lt. snow from 19h to 22:30h.
25	8	28.909	-46.0	-----	-46.0	SE 2	3	1 CiSt, 2 ASst WSW		0		Lt. snow from 0h to 3:10h.
25	14	28.709	-47.5	-----	-----	SW 9	10	St W		0		
25	20	28.467	-59.7	-----	-59.7	SSW 16	10	St (W?)	Lt.	0	T	Vy. lt. snow from 17h to 22h.
26	8	28.500	-66.5	-----	-68.8	SW 14	3	1 CiSt, 2 St		0		St along horizon.
26	14	28.457	-66.1	-----	-----	WSW 15	2	CiSt		0		
26	20	28.391	-64.6	-----	-68.1	W 9	Few	Ci		0	0	Faint 22° lunar halo and bright lunar cross at 22h.
27	8	28.457	-54.0	-----	-64.6	WSW 2	7	4 CiSt, 3 StCu W		0		
27	14	28.633	-65.8	-----	-----	SW 15	Few	ASst, StCu		0		
27	20	28.760	-60.8	-----	-67.5	WSW 9	0			0	0	Ice crystals falling at 20:30h.
28	8	28.935	-68.6	-----	-68.6	SSE 2	Few	ASst		0		
28	14	29.076	-70.8	-----	-----		0	Ci		0		
28	20	29.226	-70.9	-----	-72.2	SSE 3	0			0	0	-72.4 at 21h.
29	8	29.338	-55.1	-----	-72.4	E 15	10	8 CiSt, 2 St		0		
29	14	29.332	-41.5	-----	-----	ESE 15	10	St		0		Lt. snow from 12:45h to 18h.
29	20	29.308	-47.8	-----	-55.1	SSW 9	2	St		0	.2	
30	8	28.796	-7.5	-----	-48.7	ESE 27	10	St	Hvy.	0		Lt. to hvy. snow from 0h to 11h.
30	14	29.191	-34.1	-----	-----	SSW 14	2	St	Lt.	0		
30	20	29.383	-35.8	-----	-37.5	S 19	10	St (WSW?)		0	3.0	Lt. snow from 19h to 21h.
31	8	29.395	-15.3	-----	-36.3	E 24	10	St	Mod.	0		Hvy. snow since 0h.
31	14	29.357	-7.5	-----	-----	ESE 19	10	St	Lt.	0		Lt. snow.
31 ^e	20	29.393	9.7	-----	-15.7	NE 16	10	St		0	4.0	Hvy. snow; large flakes. Temperature range 82° in 3 days.

^e Total snowfall for month, 8.9 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	1800h mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0-10	From		0-9	Inches	
Aug. 1	8	29.411	11.3	-----	4.3	NE	15	10	St-----	0	-----	-----	Lt. snow; large flakes.
1	14	29.438	10.3	-----	-----	NE	7	10	St-----	0	-----	-----	Mod. snow until 19h.
1	20	29.453	13.6	-----	10.0	SE	10	10	St-----	0	-----	2.5	Mist from 20:45h to 22h, forming a thin coating of ice on all exposed ob- jects.
2	8	29.389	3.2	-----	3.2	ESE	21	4	CiSt-----	Lt.	-----	-----	
2	14	29.366	11.5	-----	-----	SE	23	9	StCu (SE?)	Lt.	-----	-----	
2	20	29.347	11.5	-----	3.2	SE	24	10	StCu (SE?)	Lt.	-----	T	
3	8	29.340	-12.3	-----	-12.3	SSW	9	10	ASt-----	0	-----	-----	
3	14	29.352	-20.3	-----	-----	SSW	12	7	2 CiSt, 5 ASt	0	-----	-----	
3	20	29.344	-33.3	-----	-33.3	S	15	2	ASt-----	0	-----	.2	
4	8	29.135	-31.1	-----	-37.4	S	13	9	CiSt-----	0	-----	-----	
4	14	29.041	-21.7	-----	-----	S	13	10	St-----	0	-----	-----	
4	20	28.955	-18.2	-----	-31.8	S	15	10	St-----	0	-----	.5	Mod. snow since 19:40h.
5	8	28.935	-21.0	-----	-24.5	S	12	10	St-----	0	-----	-----	Ice crystals falling. Lt. snow until 5h.
5	14	29.005	-14.1	-----	-----	S	6	10	St-----	0	-----	-----	
5	20	29.148	-14.5	-----	-21.0	SSW	11	4	St (NW?)	0	-----	.5	
6	8	29.497	-32.2	-----	-32.2	S	15	3	St-----	0	-----	-----	Lt. snow from 7:30h to 13h.
6	14	29.569	-15.0	-----	-----	SSW	13	8	St-----	0	-----	-----	
6	20	29.600	-19.8	-----	-32.2	SSW	9	10	St (E?)	0	-----	.3	Lt. snow.
7	8	29.591	-10.8	-----	-21.2	S	6	8	4 ASt, 4 StCu	0	-----	-----	
7	14	29.561	-15.0	-----	-----	S	5	9	St-----	0	-----	-----	Moon visible.
7	20	29.540	-25.0	-----	-26.8	SSE	4	0	-----	0	-----	T	
8	8	29.438	-35.8	-----	-35.8	SSW	3	3	ASt-----	0	-----	-----	
8	14	29.365	-40.6	-----	-----	S	7	3	Ci-----	0	-----	-----	
8	20	29.299	-44.3	-----	-46.4	SSW	7	2	Ci-----	0	-----	0	
9	8	29.146	-38.2	-----	-44.8	SW	3	8	5 ASt, 3 StCu	0	-----	-----	
9	14	29.071	-39.0	-----	-----	SSW	3	6	5 CiSt, 1 StCu	0	-----	-----	
9	20	28.958	-44.6	-----	-45.0	SSW	2	0	-----	0	-----	0	Ice crystals falling. Par- aselenae and lunar pillar.
10	8	29.062	-55.5	-----	-55.5	SSW	2	0	-----	0	-----	-----	
10	14	29.140	-59.1	-----	-----	-----	0	Few	Ci-----	0	-----	-----	St formed quickly at 15h.
10	20	29.191	-40.0	-----	-60.1	-----	0	10	St-----	0	-----	0	Lt. fog.
11	8	29.159	-7.2	-----	-40.0	ESE	16	10	St-----	Lt.	-----	-----	Lt. snow since 0h.
11	14	29.146	-6.6	-----	-----	ESE	14	9	ASt-----	0	-----	-----	Lt. snow. Moon faint.
11	20	29.173	-8.4	-----	-8.6	W	3	9	ASt-----	0	-----	1.5	Lt. snow until 21h; moon faint, few stars visible.
12	8	29.316	-22.7	-----	-29.1	E	3	10	1 ASt, 9 St	0	-----	-----	Moon faint.
12	14	29.309	-41.1	-----	-----	WSW	5	9	7 CiSt, 2 St	0	9	-----	
12	20	29.172	-47.5	-----	-48.3	SW	5	Few	CiSt-----	0	-----	0	Faint 22° lunar halo.
13	8	28.863	-43.9	-----	-48.6	SW	10	9	St (W?)	0	-----	-----	Bright 22° lunar halo, par- aselenae, lunar cross at 2:30h.
13	14	28.851	-50.8	-----	-----	WSW	7	Few	St (W?)	0	8	-----	
13	20	28.889	-58.5	-----	-59.0	WSW	3	Few	CiSt?	0	-----	0	Small, colorful corona.
14	8	29.113	-41.9	-----	-64.0	E	9	10	St-----	0	-----	-----	Lt. snow from 5:50h to 11:20h. Dn. fog from 10h to 11:30h.
14	14	29.233	-20.5	-----	-----	N	16	8	St N	Lt.	7	-----	Abrupt windshift at 9:32h.
14	20	29.333	-40.2	-----	-41.9	ESE	16	4	3 CiSt, 1 St N	0	-----	.5	Lunar halo 17:30h to 18h.
15	8	28.913	-24.6	-----	-41.3	SW	7	10	St-----	0	-----	-----	Moon faint.
15	14	28.762	-36.0	-----	-----	SW	2	2	St O	0	9	-----	
15	20	28.645	-32.5	-----	-40.7	SSW	12	9	9 StCu E, Few St SSE.	0	-----	T	Bright lunar halo at 18:30h.
16	8	27.978	5.4	-----	-34.2	E	24	10	St-----	Hvy.	0	-----	Hvy. snow. B. 1:20.
16	14	27.890	-1.0	-----	-----	NE	30	10	St-----	Hvy.	-----	-----	Station pressure 27:82 at 11h.
16	20	27.957	-4.4	-----	-4.4	ENE	27	10	St-----	Mod.	-----	3.0	Lt. snow.
17	8	28.442	-7.9	-----	-7.9	NE	23	10	StCu ENE	Mod.	-----	-----	
17	14	28.612	-15.5	-----	-----	ESE	12	8	5 ASt NE, 3 St NE	0	-----	-----	
17	20	28.505	-5.0	-----	-17.2	S	6	10	StCu E	0	-----	1.0	
18	8	28.852	-0.8	-----	-5.0	NE	25	9	9 StCu (NE?), Few St (NE?).	Mod.	3	-----	
18	14	29.131	-6.6	-----	-----	NE	14	6	3 Ci, 3 StCu NE	0	9	-----	
18	20	29.337	-12.6	-----	-17.8	ENE	4	6	StCu NE	0	-----	1.0	
19	8	29.623	12.2	-----	-15.0	ESE	9	10	1 ASt, 9 St (NE?)	0	-----	-----	
19	14	29.751	6.0	-----	-----	E	5	10	2 ASt, 8 StCu NE	0	-----	-----	
19	20	29.831	-2.8	-----	-3.8	E	11	9	4 CiSt, 5 ASt (NE?)	0	-----	0	
20	8	29.821	-15.2	-----	-15.2	NNE	3	7	4 CiSt, 3 ASt	0	-----	-----	
20	14	29.754	-17.0	-----	-----	-----	0	5	CiSt-----	0	3	-----	Lt. fog since 12h.
20	20	29.709	-10.3	-----	-21.7	SSW	2	2	Ci-----	0	-----	0	Mod. rime deposit pro- duced by fog. Para- selenae.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Aug. 21	8	29.454	-20.5	-25.2	-25.2	W 7	9	6 CiSt, 3 ASt	0	7		Lt. fog.
21	14:30	29.364	-25.6	-26.2	-26.2	WSW 5	10	ASt WSW	0	7		
21	20	29.280	-19.2	-36.0	-36.0	WSW 6	10	St	0	0		
22	8	29.143	-34.2	-36.0	-36.0	WSW 6	10	7 ASt, 3 St	0	9		
22	14	29.124	-36.8	-39.2	-39.2	SW 16	3	3 Ci, Few StCu S	0	9		
22	20	29.169	-33.1	-46.0	-46.0	WSW 19	10	ASt	0	T		
23	8	29.184	-46.0	-46.0	-46.0	SW 3	8	CiSt	0	7		Sun just visible on Barrier horizon at 12h.
23	14	29.145	-51.4	-54.0	-54.0	SW 3	3	3 Ci, Few ASt (SSW?)	0	9		
23	20	29.087	-51.8	-55.1	-55.1	E 7	0		0	0		
24	8	29.008	-53.0	-56.7	-56.7	S 3	0		0	5		Ice crystals falling.
24	14	28.941	-53.1	-56.4	-56.4	S 0	2	2 Ci, Few ASt	0	9		
24	20	28.839	-56.4	-56.3	-56.3	SW 7	0		0	0		
25	8	28.720	-48.1	-56.2	-56.2	SW 7	Few	Ci	0	5		Ice crystals falling.
25	14	28.730	-52.3	-56.2	-56.2	SSW 4	0	ASt (?)	0	5		Do.
25	20	28.770	-55.0	-56.2	-56.2	SSE 5	Few	ACu	0	9		
26	8	28.830	-56.2	-59.5	-59.5	NE 6	1	Ci	0	9		A few Ci on NW horizon.
26	14	28.849	-57.2	-61.0	-61.0	S 3	0		0	0		
26	20	28.896	-59.5	-59.5	-59.5	S 3	2	Ci	0	9		
27	8	28.949	-59.5	-59.5	-59.5	S 3	0	CiSt	0	6		Bright sunlight.
27	14	28.945	-56.8	-59.5	-59.5	SW 3	4	CiSt	0	0		
27	20	28.970	-56.0	-57.0	-57.0	E 4	7	CiSt	0	0		
28	8	28.945	-49.0	-51.0	-51.0	NE 14	10	St W	0	8		
28	14	28.914	-44.7	-51.0	-51.0	ENE 5	10	St	0	T		Lt. snow since 16:45h.
28	20	28.875	-39.1	-51.0	-51.0	ENE 5	10	St	0			Lt. snow. St and StCu from WNW at 10h.
29	8	28.833	-24.6	-25.8	-25.8	NE 15	10	St	0	5		Lt. snow.
29	14	28.888	-9.0	-28.0	-28.0	E 12	9	ASt	0	8		Lt. snow E. D. P.
29	20	28.995	-11.2	-38.8	-38.8	WSW 2	10	ASt SSW	0	6		Vy. lt. snow.
30	8	29.081	-26.7	-55.8	-55.8	SW 4	2	ASt	0	T		
30	14	29.054	-31.7	-55.8	-55.8	S 9	1	Ci	0	9		Ice crystals falling at 9h.
30	20	28.965	-37.0	-63.1	-63.1	SW 4	Few	CiSt	0	7		
31	8	28.780	-55.8	-66.0	-66.0	SW 0	2	CiSt (NNW?)	0	8		
31	14	28.769	-60.0	-65.0	-65.0	SW 3	0	Ci (NNW?)	0	9		
31	20	28.767	-63.1	-65.0	-65.0	SW 3	0		0	0		Moderate noise from the ice at 15h.
Sept. 1	8	28.850	-63.2	-66.2	-66.2	SW 6	9	3 ASt (ENE?), 6 StCu ENE.	0	5		Lt. snow from 8:30h to 9:30h.
1	14	28.867	-64.4	-51.8	-51.8	SSW 9	10	St NNE	0	6		
1	20	28.927	-65.0	-47.5	-47.5	SW 12	10	4 StCu, 4 St	0	T		Lt. fog.
2	8	28.990	-51.8	-44.3	-44.3	SW 12	3	6 ASt, 4 St SW	0	4		Ice crystals falling. Lt. fog.
2	14	29.038	-43.1	-38.8	-38.8	SW 12	3	1 Ci, 2 St SW	0	5		22° solar halo and parhelia at 12:15h; hazy along horizon.
2	20	29.073	-38.2	-44.6	-44.6	SW 12	2	StCu (SW?)	0	0		
3	8	29.158	-44.3	-53.2	-53.2	SW 3	4	2 Ci NE, 2 ASt NE	0	9		
3	14	29.226	-38.8	-54.2	-54.2	WSW 4	2	CiSt NE	0	9		
3	20	29.284	-43.4	-52.2	-52.2	WSW 7	3	CiSt	0	0		
4	8	29.354	-52.5	-52.2	-52.2	NNE 10	10	St W	0	5		Lt. snow.
4	14	29.392	-52.0	-35.0	-35.0	W 5	8	4 StCu W, 4 St W	0	6		Vy. thin St from W at 11h.
4	20	29.468	-48.0	-41.2	-41.2	WSW 7	7	StCu W	0	T		Clear at 21h.
5	8	29.627	-35.0	-44.6	-44.6	SW 12	Few	StCu SW	0	9		Looming observed this morning. Clouds passed off rapidly at 8:30h.
5	14	29.681	-26.1	-54.9	-54.9	SSW 11	2	2 ASt, Few St	0	0		
5	20	29.752	-20.5	-54.8	-54.8	SSW 5	Few	CiSt SW	0	9		
6	8	29.788	-41.2	-56.8	-56.8	SW 5	4	CiSt SW	0	6		
6	14	29.823	-53.3	-56.2	-56.2	ESE 19	10	St	Lt.	3		Hvy. St moved in rapidly at 20:55h.
6	20	29.851	-52.6	-56.2	-56.2	SSW 10	Few	StCu	0	8		Ice crystals falling. Parhelia at 12h.
7	8	29.808	-54.0	-61.9	-61.9	SSW 7	Few	ASt	0	.2		Moon bright.
7	14	29.722	-53.2	-64.5	-64.5	SSW 5	0		0	9		
7	20	29.614	-55.0	-58.8	-58.8	S 9	1	CiSt NW or WNW	0	8		Parhelia, upper tangent arc and sun pillar at 11h.
9	20	29.354	-58.5	-61.6	-61.6	SSW 7	2	CiSt	0	0		

* Total snowfall for month, 11.3 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	1800h mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		0-9	Inches	
Sept. 10	8	29.116	-57.8		-59.6	SW 10	0			0	8	
10	14	28.929	-53.0			SSW 7	3	ASt SSW		0	7	
10	20	28.795	-52.8		-57.8	ESE 2	Few	ASt		0		0
11	8	28.676	-59.0		-60.0	SE 4	Few	ASt SW		0	8	
11	14	28.680	-64.6			S 12	2	Few ASt SW, 2 St S		0	8	
11	20	28.719	-66.8		-66.8	SE 9	Few	St		0		0
12	8	28.696	-60.7		-67.5	E 4	0			0	3	Bright moonlight. Ice crystals falling until 10h.
12	14	28.820	-58.7			SW 9	0			0	8	
12	20	28.982	-61.3		-62.6	E 2	0			0		0
13	8	29.169	-50.8		-63.3	E 12	Few	Ci		0	5	Lt. fog.
13	14	29.194	-37.5			E 19	8	3 Ci NW, 5 CiSt NW.	Mod.	3		
13	20	29.238	-35.0		-50.8	E 16	3	CiSt	Lt.		0	
14	8	29.393	-52.1		-53.0	E 3	3	Ci WNW	0	9		
14	14	29.426	-49.2			NE 2	Few	CiSt	0	8		
14	20	29.434	-54.0		-55.0	NE 8	0		0		0	Pronounced looming to S.
15	8	29.362	-47.7		-57.6	E 3	4	1 Ci WNW, 3 St SE	0	8		
15	14	29.265	-47.3			ENE 8	8	CiSt WNW	0	8		Parhelion. 22° lunar halo and para- selenae at 20:30h.
15	20	29.147	-45.1		-49.6	ESE 3	7	CiSt	0		0	
16	8	28.940	-40.3		-45.1	SW 9	10	ASt NW	0	8		
16	15	28.935	-44.8			SW 11	9	CiSt	0	8		22° solar halo.
16	20	28.943	-42.3		-45.7	SW 7	9	CiSt	0		0	Bright lunar halo.
17	8	28.995	-38.0		-42.7	S 5	0	CiSt NNW	0	9		
17	14	28.969	-33.8			E 16	4	3 ASt N, 1 StCu	0	8		
17	20	28.844	-34.0		-38.0	ESE 17	5	3 CiSt, 2 StCu N	Lt.		T	Lt. snow B. 23 h.
18	8	28.208	-5.0		-34.3	ESE 25	10	4 ASt, 6 St NNE	Mod.	2		Mod. snow until 7:30h.
18	14	28.091	-14.0			SSW 6	10	9 ASt E, 1 StCu	0	6		
18	20	28.051	-23.2		-23.2	SSW 15	10	ASt	0		1.0	Pronounced water sky dur- ing day, 22° lunar halo.
19	8	28.236	-27.0		-29.2	SW 18	4	1 Ci, 3 ASt SW	Lt.	8		
19	14	28.424	-28.6			SW 18	3	3 Ci, Few StCu	0	9		Shower of ice crystals, halo, parhelia and upper tan- gent arc at 13:30h.
19	20	28.578	-36.0		-36.0	WSW 12	Few	Ci	0		0	
20	8	28.686	-41.4		-42.2	WSW 6	9	St	0	6		Water sky, 22° lunar halo, paraselenae and lunar cross in early morning.
20	15:45	28.761	-32.3			SW 12	10	St	0	3		Lt. fog from 13:40h to 18h.
20	20	28.770	-26.2		-41.5	SW 9	10	St	0		T	Lt. snow since 21:15h.
21	8	28.775	-21.8		-26.2	SW 14	10	St	0	5		Water sky. Lt. snow until 6h.
21	14		-21.0			SSW 4	10	St	0	6		
21	20	28.872	-17.8		-22.0	SSW 18	10	St	Lt.		.2	Water sky.
22	8	28.931	-37.2		-37.2	SW 15	0		0	9		Rapid clearing of St at 6h.
22	14	28.922	-39.0			SW 16	10	St	0	4		St moved in from SSW at 12h; clearing at 16h.
22	20	28.940	-41.3		-41.3	SW 7	Few	Ci	0		0	
23	8	28.728	-40.8		-50.2	SW 5	10	StCu NW	0	6		Lt. snow until 10h.
23	14	28.646	-46.0			SW 7	9	St NNW	0	4		Lt. fog. Open water ob- served off barrier in after- noon.
23	20	28.568	-39.6		-46.5	S 9	9	St	0		T	Water sky.
24	8	28.542	-29.0		-40.0	SE 10	Few	StCu SE	0	9		
24	14	28.503	-32.1			SSW 11	7	ASt SE	0	6		Faint 22° solar halo. ASt moved in from SE at 12h.
24	20	28.435	-34.9		-37.7	SSW 13	10	ASt S	0		.5	Water sky; ASt apparently lowering in evening.
25	8	28.473	-42.0		-51.1	E 15	9	StCu N	Lt.	5		
25	14	28.576	-32.1			E 21	10	StCu N	Lt.	4		
25	20	28.691	-33.4		-42.0	ESE 15	8	ASt E	0		0	
26	8	28.811	-45.0		-49.0	SW 9	5	ACu NE	0	8		
26	14	28.846	-40.5			S 4	Few	ASt (NE?)	0	7		
26	20	28.838	-41.0		-46.4	E 2	8	8 CiSt ENE, Few St N.	0		0	Water sky; hvy. sea smoke observed from bay.
27	8	28.843	-45.0		-50.8	S 4	Few	Ci	0	9		
27	14	28.780	-40.7			SW 7	Few	Ci	0	9		
27	20	28.743	-52.3		-52.3	SW 5	Few	Ci	0	8		0
28	8	28.674	-56.7		-60.0	SW 7	0		0	9		
28	14	28.647	-50.0			SSW 13	0		0	8		
28	20	28.707	-56.6		-57.3	SSW 2	Few	StCu	0	8		0
29	8	28.674	-54.5		-61.7	E 4	0		0	9		
29	14	28.586	-50.7			ESE 5	0		0	7		

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	180th mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Sept. 29	20	28.556	-56.8	-57.4	-57.4	E 2	Few	StCu SSW	0	6	0	
30	8	28.527	-46.8	-63.0	-63.0	E 12	10	St N	0	3		Lt. fog.
30	14	28.534	-15.3			N 20	10	St N	Mod.	2		Snowing since 13h.
30*	20	28.551	-13.8		-46.8	NE 24	10	St (N?)	Hvy.	1	.5	Mod. snow.
Oct. 1	8	28.630	-18.0	-21.3	-21.3	ESE 24	10	St ESE	Hvy.	1		Mod. snow.
1	14	28.637	-13.1			ESE 18	10	St Cu NE	Lt.	3		Lt. snow.
1	20	28.664	-14.3	-18.4	-18.4	E 15	10	St. ENE	0	4	1.0	Lt. snow until D. A.
2	8	28.781	-29.5	-29.5	-29.5	W 10	7	5 Ci St, 2 Ast ESE	0	8		22° solar halo 6h to 9h.
2	14	28.841	-36.0			SW 9	3	1 CiSt SW, 2 Ast SW	0	6		
2	20	28.885	-41.7	-43.1	-43.1	WSW 3	9	StCu SSW	0	6	T	Ice crystals falling at 16h.
3	8	28.919	-28.0	-41.7	-41.7	WSW 6	9	St	0	4		Lt. fog. Rapid clearing of St and fog after 8h.
3	14	28.876	-39.4			W 7	Few	Ast SW	0	9		
3	20	28.811	-48.4	-48.4	-48.4	SW 9	Few	Ast SW	0	9	0	
4	8	28.687	-45.0	-48.4	-48.4	WSW 9	0		0	9		
4	14	28.626	-41.5			WSW 3	0		0	6		Lt. haze along horizon.
4	20	28.583	-52.1	-54.6	-54.6	E 7	Few	St	0	7	0	Open water off mouth of bay. The bay is broken up into pressure ridges.
5	8	28.523	-37.3	-53.3	-53.3	E 7	9	CiSt	0	6		
5	14	28.453	-29.5			SSW 9	10	Ast (E?)	0	6		Bright 22° halo all after- noon; parhelion at 16h.
5	20	28.375	-25.6	-37.3	-37.3	SSE 5	10	St (SE?)	0	8	0	Strong water sky.
6	8	28.295	-27.3	-27.3	-27.3	SSW 17	10	StCu SE	Lt.	5		
6	14	28.334	-23.7			SSW 11	9	7 CiSt (E?), 2 Ast E	0	7		22° solar halo from 13h to 16:30h.
6	20	28.347	-39.8	-39.8	-39.8	SSW 9	9	CiSt (E?)	0	7	0	
7	8	28.304	-24.2	-44.5	-44.5	E 8	9	St NE	0	7		StCu drifted in from NE at 5h. Marked looming of West barrier, 6h. to 6:30h.
7	14	28.350	-11.6			E 12	10	St NE	0	5		Lt. snow from 12:30h to 15:30h.
7	20	28.483	-11.2	-24.2	-24.2	ENE 11	10	St NNE	0	6	.1	Lt. snow from 18:45 to D.P.
8	8	28.736	-6.2	-12.1	-12.1	E 13	10	St NNE	0	6		Water sky.
8	14	28.871	-4.8			ESE 15	10	St NNE	0	6		
8	20	28.918	-7.8	-9.2	-9.2	E 12	10	St NNE	0	6	T	
9	8	28.926	-6.3	-9.6	-9.6	S 12	9	St	0	6		Water sky.
9	15	28.881	-5.4			S 15	10	St (SSW?)	0	6		Water sky. Ice crystals falling at 17h.
9	20	28.833	-16.5	-19.0	-19.0	SSW 14	Few	Ast (S?)	0	7	0	Extraordinary halo phe- nomena from 17:30h to 18:50h.
10	8	28.806	-40.0	-40.8	-40.8	SSW 13	3	Ast (S?)	0	5		Lt. haze; thick along hori- zon. Thin St at 5:30h.
10	14	28.847	-35.0			SW 9	10	St	0	8		Lt. fog since 9h.
10	20:30	28.863	-41.5	-42.2	-42.2	S 4	0		0	7	0	Rapid clearing at 16:30h.
11	8	28.835	-21.1	-47.5	-47.5	SW 9	10	St S	0	7		
11	14	28.819	-31.8			SSW 8	0		0	9		Abrupt clearing at 10:30h.
11	20	28.823	-40.0	-42.2	-42.2	SSW 6	5	St S	0	7	0	Clouded up rapidly between 19 h and 19:30h.
12	8	28.767	-38.0	-45.0	-45.0	E 21	4	CiSt	Mod.	3		StCu from NE at 8:45.
12	14	28.890	-13.5			E 22	10	St E	Mod.	2		Lt. snow from 9h to 15:15h.
12	20	29.032	-30.8	-38.0	-38.0	ESE 9	Few	StCu E	0	8	.3	
13	8	28.959	-31.0	-45.0	-45.0	ESE 3	9	Ast	0	6		
13	14	28.919	-27.0			SSW 7	Few	Ci ESE	0	9		Bright 22° solar halo from 9:25h to 10h.
13	20	28.913	-36.3	-36.3	-36.3	SSW 5	1	Ci E	0	9	0	
14	8	28.911	-35.4	-46.7	-46.7	S 2	2	Ci ESE	0	9		Bank of fog on top of higher barrier to the N at 13h; apparently rolling in slowly from the NW. Fog reached the camp at 16h, but lifted an hour later leaving a solid layer of St.
14	14	28.961	-25.8			ENE 2	2	Ci ESE, Few St	0	8		
14	20	29.020	-8.8	-35.4	-35.4	NNE 9	9	St	0	7	0	Vy. lt. snow; clear in SW.
15	8	29.254	-11.0	-11.0	-11.0	ESE 15	10	St SE	0	5		
15	14	29.222	-14.0			SE 7	Few	St SE	0	9		
15	20	29.161	-20.0	-22.1	-22.1	N 6	4	CiSt ENE	0	9	0	CiSt vy. low; banked up heavily in N. Parbelion.
16	8	29.012	-23.0	-31.7	-31.7	SSW 2	Few	Ci SE	0	9		
16	14	28.966	-19.2			SW 5	1	1 CiSt SE, Few ACu SE.	0	9		

* Total snowfall for month, 2.4 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.								
1929	190th mer. time	Inches	°F.	°F.	°F.	From	m.p.h.	0-10	From		0-9	Inches	
Oct. 16	20	28.946	-26.0	-----	-26.0	S	10	7	3 (ASt?) NW, 4 (ACu?) NW.	0	8	0	Green Flash observed inter- mittently from 20:45h to 21:20h.
17	8	28.893	-4.4	-----	-26.0	E	12	10	St-----	0	6	-----	
17	15	28.893	1.9	-----	-----	E	15	10	St-----	0	5	-----	
17	20	28.906	-2.1	-----	-4.4	E	10	10	St-----	0	5	T	Few flakes of snow from 16:30h to 21h.
18	8	28.937	1.5	-----	-14.5	SE	11	1	St ESE-----	0	9	-----	Shower of ice crystals from 9:45h to 10:35h with bril- liant and complex halo phenomena.
18	14	29.003	-8.2	-----	-----	E	18	10	St-----	0	4	-----	Lt. fog; lt. snow since 13:45h.
18	20	29.085	-5.5	-----	-9.6	E	16	10	St-----	0	5	.2	Lt. snow until 21:30h.
19	8	29.260	0.5	-----	-5.8	ESE	15	10	St NNE-----	Lt.	-----	-----	Lt. snow at intervals since 1h.
19	14	29.328	5.0	-----	-----	E	14	10	St (NNE?)-----	0	5	-----	Lt. snow until 15:45h.
19	20	29.400	3.0	-----	0.5	E	10	10	St-----	0	-----	.2	
20	8	29.418	6.7	-----	1.9	ESE	10	10	St-----	0	5	-----	Water sky.
20	14	29.369	7.3	-----	-----	ESE	14	10	St-----	0	7	-----	Do.
20	20	29.329	3.0	-----	3.0	ESE	15	10	St-----	0	7	T	Lt. snow from 17:30h to 19h. Water sky; drift along surface. St broke up and gave way to Ci at 22:30h.
21	8	29.215	1.0	-----	-5.8	E	13	8	5 CiSt (NW?), 3 ASt (NW?)	0	-----	-----	22° halo from 9h to 11h; parhelia and upper tan- gent arc.
21	14	29.148	7.3	-----	-----	ESE	10	1	1 Ci, Few St-----	0	9	-----	
21	20	29.082	-16.0	-----	-16.0	SW	17	Few	CiSt, ASt-----	0	9	0	Open water visible off mouth of bay.
22	8	28.914	-4.3	-----	-24.8	SW	13	7	ACu S-----	0	7	-----	
22	14	28.826	-7.8	-----	-----	SSW	14	8	5 CiSt S, 3 StCu S-----	0	8	-----	Faint 22° solar halo visible most of afternoon and evening.
22	20	28.718	-17.0	-----	-17.0	SW	14	8	7 CiSt S, 1 ASt S-----	0	7	0	Upper limb of sun visible at 23h.
23	8	28.771	-11.0	-----	-29.0	E	19	10	St E-----	Mod.	3	-----	
23	14	28.833	-4.9	-----	-----	ESE	14	10	St (ENE?)-----	0	6	-----	
23	20	28.901	-12.0	-----	-12.0	E	9	10	StCu NW-----	0	6	0	
24	8	28.961	-16.4	-----	-19.7	SE	9	Few	St NE-----	0	9	-----	Lt. fog from 4h to 5:30h. Rime deposit at 8h.
24	14	29.013	-11.2	-----	-----	SE	14	10	St ENE-----	0	6	-----	St moved in slowly from NE at 11:30h.
24	20	29.067	-10.5	-----	-16.8	SE	12	10	Dn. fog-----	0	3	0	Dn. fog since 19h. Lt. fog from 18h to 19h. Mirage from 16:45h to 18:30h.
25	8	29.128	-15.8	-----	-19.0	S	2	4	ACu ESE-----	0	9	-----	Dn. fog until 5:15. Fog bow at 5:30h. 1 inch of rime formed during fog on windward side of all ex- posed objects.
25	14	29.107	-13.0	-----	-----	SW	5	Few	ASt E-----	0	9	-----	
25	20	29.089	-19.0	-----	-20.8	S	4	Few	Ci ENE-----	0	9	0	
26	8	29.022	-24.4	-----	-29.4	SSW	6	8	CiSt ESE-----	0	9	-----	22° solar halo and faint parhelia; partial 46° halo and circumzenithal arc.
26	14	29.003	-13.7	-----	-----	SSW	5	1	Ci ESE-----	0	9	-----	
26	20	28.965	-20.0	-----	-24.4	SW	7	7	CiSt E-----	0	9	0	
27	8	28.914	-13.5	-----	-24.0	SSW	7	1	Few Ci NNE, 1 ASt NE.	0	9	-----	Clouded up rapidly between 9h and 10h, cleared at 10h.
27	14	28.897	-9.9	-----	-----	S	9	1	Few Ci (NNE?), 1 ASt NE.	0	9	-----	
27	20	28.856	-7.1	-----	-13.5	SW	7	9	StCu-----	0	8	T	Vy. lt. snow from 19:15h to 22h. Strong water sky.
28	8	28.740	-4.6	-----	-14.4	WSW	6	9	CiSt ENE-----	0	8	-----	
28	14	28.774	-6.2	-----	-----	S	9	5	5 CiSt SSE, Few ASt.	0	8	-----	22° halo and upper tangent arc intermittently until 15h.
28	20	28.779	-7.8	-----	-11.0	SW	5	7	ACu S-----	0	8	0	Looming over the sea.
29	8	28.791	-10.2	-----	-17.0	W	9	2	1 ASt SW, 1 ACu SW	0	9	-----	
29	14	28.790	-3.5	-----	-----	WSW	7	3	1 ASt (SW?), 2 ACu (SW?)	0	9	-----	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloud- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Sept. 29	20	28.556	-56.8	-57.4	-57.4	E 2	Few	StCu SSW	0	6	0	
30	8	28.527	-46.8	-63.0	-63.0	E 12	10	St N	0	3		Lt. fog.
30	14	28.534	-15.3			N 20	10	St N	Mod.	2		Snowing since 13h.
30*	20	28.551	-13.8	-46.8	-46.8	NE 24	10	St (N?)	Hvy.	1	.5	Mod. snow.
Oct. 1	8	28.630	-18.0	-21.3	-21.3	ESE 24	10	St ESE	Hvy.	1		Mod. snow.
1	14	28.637	-13.1			ESE 18	10	St Cu NE	Lt.	3		Lt. snow.
1	20	28.664	-14.3	-18.4	-18.4	E 15	10	St. ENE	0	4	1.0	Lt. snow until D. A.
2	8	28.781	-29.5	-29.5	-29.5	W 10	7	5 Ci St, 2 Ast ESE	0	8		22° solar halo 6h to 9h.
2	14	28.841	-36.0			SW 9	3	1 Ci St SW, 2 Ast SW	0	6		
2	20	28.885	-41.7	-43.1	-43.1	WSW 3	9	StCu SSW	0	6	T	Ice crystals falling at 16h.
3	8	28.919	-28.0	-41.7	-41.7	WSW 6	9	St	0	4		Lt. fog. Rapid clearing of St and fog after 8h.
3	14	28.876	-39.4			W 7	Few	Ast SW	0	9		
3	20	28.811	-48.4	-48.4	-48.4	SW 9	Few	Ast SW	0	9	0	
4	8	28.687	-45.0	-48.4	-48.4	WSW 9	0		0	9		
4	14	28.626	-41.5			WSW 3	0		0	6		Lt. haze along horizon.
4	20	28.583	-52.1	-54.6	-54.6	E 7	Few	St	0	7	0	Open water off mouth of bay. The bay is broken up into pressure ridges.
5	8	28.523	-37.3	-53.3	-53.3	E 7	9	CiSt	0	6		
5	14	28.453	-29.5			SSW 9	10	Ast (E?)	0	6		Bright 22° halo all afternoon; parhelion at 16h.
5	20	28.375	-25.6	-37.3	-37.3	SSE 5	10	St (SE?)	0	8	0	Strong water sky.
6	8	28.295	-27.3	-27.3	-27.3	SSW 17	10	StCu SE	Lt.	5		
6	14	28.334	-23.7			SSW 11	9	7 CiSt (E?), 2 Ast E	0	7		22° solar halo from 13h to 16:30h.
6	20	28.347	-39.8	-39.8	-39.8	SSW 9	9	CiSt (E?)	0	7	0	
7	8	28.304	-24.2	-44.5	-44.5	E 8	9	St NE	0	7		StCu drifted in from NE at 5h. Marked looming of West barrier, 6h. to 6:30h.
7	14	28.350	-11.6			E 12	10	St NE	0	5		Lt. snow from 12:30h to 15:30h.
7	20	28.483	-11.2	-24.2	-24.2	ENE 11	10	St NNE	0	6	.1	Lt. snow from 18:45 to D.P.
8	8	28.736	-6.2	-12.1	-12.1	E 13	10	St NNE	0	6		Water sky.
8	14	28.871	-4.8			ESE 15	10	St NNE	0	6		
8	20	28.918	-7.8	-9.2	-9.2	E 12	10	St NNE	0	6	T	
9	8	28.926	-6.3	-9.6	-9.6	S 12	9	St	0	6		Water sky.
9	15	28.881	-5.4			S 15	10	St (SSW?)	0	6		Water sky. Ice crystals falling at 17h.
9	20	28.833	-16.5	-19.0	-19.0	SSW 14	Few	Ast (S?)	0	7	0	Extraordinary halo phenomena from 17:30h to 18:50h.
10	8	28.806	-40.0	-40.8	-40.8	SSW 13	3	Ast (S?)	0	5		Lt. haze; thick along horizon. Thin St at 5:30h.
10	14	28.847	-35.0			SW 9	10	St	0	8		Lt. fog since 9h.
10	20:30	28.863	-41.5	-42.2	-42.2	S 4	0		0	7	0	Rapid clearing at 16:30h.
11	8	28.835	-21.1	-47.5	-47.5	SW 9	10	St S	0	7		
11	14	28.819	-31.8			SSW 8	0		0	9		Abrupt clearing at 10:30h.
11	20	28.823	-40.0	-42.2	-42.2	SSW 6	5	St S	0	7	0	Clouded up rapidly between 19 h and 19:30h.
12	8	28.767	-38.0	-45.0	-45.0	E 21	4	CiSt	Mod.	3		StCu from NE at 8:45.
12	14	28.890	-13.5			E 22	10	St E	Mod.	2		Lt. snow from 9h to 15:15h.
12	20	29.032	-30.8	-38.0	-38.0	ESE 9	Few	StCu E	0	8	.3	
13	8	28.959	-31.0	-45.0	-45.0	ESE 3	9	Ast	0	6		
13	14	28.919	-27.0			SSW 7	Few	Ci ESE	0	9		Bright 22° solar halo from 9:25h to 10h.
13	20	28.913	-36.3	-36.3	-36.3	SSW 5	1	Ci E	0	9	0	
14	8	28.911	-35.4	-46.7	-46.7	S 2	2	Ci ESE	0	9		Bank of fog on top of higher barrier to the N at 13h; apparently rolling in slowly from the NW. Fog reached the camp at 16h, but lifted an hour later leaving a solid layer of St.
14	14	28.961	-25.8			ENE 2	2	Ci ESE, Few St.	0	8		
14	20	29.020	-8.8	-35.4	-35.4	NNE 9	9	St	0	7	0	Vy. lt. snow; clear in SW.
15	8	29.254	-11.0	-11.0	-11.0	ESE 15	10	St SE	0	5		
15	14	29.222	-14.0			SE 7	Few	St SE	0	9		
15	20	29.161	-20.0	-22.1	-22.1	N 6	4	CiSt ENE	0	9	0	CiSt vy. low; banked up heavily in N. Parbelion.
16	8	29.012	-23.0	-31.7	-31.7	SSW 2	Few	Ci SE	0	9		
16	14	28.966	-19.2			SW 5	1	1 CiSt SE, Few ACu SE.	0	9		

* Total snowfall for month, 2.4 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929 Oct. 16	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
	20	28.946	-26.0	-----	-26.0	S 10	7	3 (ASt?) NW, 4 (ACu?) NW.	0	8	0	Green Flash observed inter- mittently from 20:45h to 21:20h.
17	8	28.893	-4.4	-----	-26.0	E 12	10	St-----	0	6	-----	Few flakes of snow from 16:30h to 21h. Shower of ice crystals from 9:45h to 10:35h with bril- liant and complex halo phenomena.
17	15	28.893	1.9	-----	-----	E 15	10	St-----	0	5	-----	
17	20	28.906	-2.1	-----	-4.4	E 10	10	St-----	0	5	T	
18	8	28.937	1.5	-----	-14.5	SE 11	1	St ESE-----	0	9	-----	Lt. fog; lt. snow since 13:45h. Lt. snow until 21:30h.
18	14	29.003	-8.2	-----	-----	E 18	10	St-----	0	4	-----	
18	20	29.085	-5.5	-----	-9.6	E 16	10	St-----	0	5	.2	
19	8	29.260	0.5	-----	-5.8	ESE 15	10	St NNE-----	Lt.	-----	-----	Lt. snow at intervals since 1h. Lt. snow until 15:45h.
19	14	29.328	5.0	-----	-----	E 14	10	St (NNE?)-----	0	5	-----	
19	20	29.400	3.0	-----	0.5	E 10	10	St-----	0	-----	.2	
20	8	29.418	6.7	-----	1.9	ESE 10	10	St-----	0	5	-----	Water sky. Do. Lt. snow from 17:30h to 19h. Water sky; drift along surface. St broke up and gave way to Ci at 22:30h. 22° halo from 9h to 11h; parhelia and upper tan- gent arc.
20	14	29.369	7.3	-----	-----	ESE 14	10	St-----	0	7	-----	
20	20	29.329	3.0	-----	3.0	ESE 15	10	St-----	0	7	T	
21	8	29.215	1.0	-----	-5.8	E 13	8	5 CiSt (NW?), 3 ASt (NW?)	0	-----	-----	Open water visible off mouth of bay.
21	14	29.148	7.3	-----	-----	ESE 10	1	1 Ci, Few St-----	0	9	-----	
21	20	29.082	-16.0	-----	-16.0	SW 17	Few	CiSt, ASt-----	0	9	0	
22	8	28.914	-4.3	-----	-24.8	SW 13	7	ACu S-----	0	7	-----	Faint 22° solar halo visible most of afternoon and evening. Upper limb of sun visible at 23h.
22	14	28.826	-7.8	-----	-----	SSW 14	8	5 CiSt S, 3 StCu S-----	0	8	-----	
22	20	28.718	-17.0	-----	-17.0	SW 14	8	7 CiSt S, 1 ASt S-----	0	7	0	
23	8	28.771	-11.0	-----	-29.0	E 19	10	St E-----	Mod.	3	-----	Lt. fog from 4h to 5:30h. Rime deposit at 8h. St moved in slowly from NE at 11:30h. Dn. fog since 19h. Lt. fog from 18h to 19h. Mirage from 16:45h to 18:30h. Dn. fog until 5:15. Fog bow at 5:30h. 1 inch of rime formed during fog on windward side of all ex- posed objects.
23	14	28.833	-4.9	-----	-----	ESE 14	10	St (ENE?)-----	0	6	-----	
23	20	28.901	-12.0	-----	-12.0	E 9	10	StCu NW-----	0	6	0	
24	8	28.961	-16.4	-----	-19.7	SE 9	Few	St NE-----	0	9	-----	22° solar halo and faint parhelia; partial 46° halo and circumzenithal arc.
24	14	29.013	-11.2	-----	-----	SE 14	10	St ENE-----	0	6	-----	
24	20	29.067	-10.5	-----	-16.8	SE 12	10	Dn. fog-----	0	3	0	
25	8	29.128	-15.8	-----	-19.0	S 2	4	ACu ESE-----	0	9	-----	Clouded up rapidly between 9h and 10h, cleared at 10h.
25	14	29.107	-13.0	-----	-----	SW 5	Few	ASt E-----	0	9	-----	
25	20	29.089	-19.0	-----	-20.8	S 4	Few	Ci ENE-----	0	9	0	
26	8	29.022	-24.4	-----	-29.4	SSW 6	8	CiSt ESE-----	0	9	-----	Clouded up rapidly between 9h and 10h, cleared at 10h.
26	14	29.003	-13.7	-----	-----	SSW 5	1	Ci ESE-----	0	9	-----	
26	20	28.965	-20.0	-----	-24.4	SW 7	7	CiSt E-----	0	9	0	
27	8	28.914	-13.5	-----	-24.0	SSW 7	1	Few Ci NNE, 1 ASt NE.	0	9	-----	Vy. lt. snow from 19:15h to 22h. Strong water sky.
27	14	28.897	-9.9	-----	-----	S 9	1	Few Ci (NNE?), 1 ASt NE.	0	9	-----	
27	20	28.856	-7.1	-----	-13.5	SW 7	9	StCu-----	0	8	T	
28	8	28.740	-4.6	-----	-14.4	WSW 6	9	CiSt ENE-----	0	8	-----	22° halo and upper tangent arc intermittently until 15h. Looming over the sea.
28	14	28.774	-6.2	-----	-----	S 9	5	5 CiSt SSE, Few ASt.	0	8	-----	
28	20	28.779	-7.8	-----	-11.0	SW 5	7	ACu S-----	0	8	0	
29	8	28.791	-10.2	-----	-17.0	W 9	2	1 ASt SW, 1 ACu SW	0	9	-----	
29	14	28.790	-3.5	-----	-----	WSW 7	3	1 ASt (SW?), 2 ACu (SW?)	0	9	-----	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Oct. 29	20	28.797	-10.8	-----	-11.7	-----	0	Few CiCu SSE, 4 St W	0	9	0	Snow flurries to N and SW at 22h.
30	8	28.820	0.9	-----	-18.8	ESE 9	10	St NNW	0	5	-----	Few flakes of snow falling continuously during en- tire day.
30	14	28.849	1.1	-----	-----	ESE 12	10	St NNW	0	6	-----	Hvy. streamers of falling snow visible to N throughout the day.
30	20	28.890	2.5	-----	-0.3	E 5	10	St NNW	0	5	.1	Few flakes of snow and some graupel falling at intervals.
31	8	28.973	7.5	-----	2.5	E 9	10	St	0	5	-----	Strong water sky.
31	14	29.005	10.8	-----	-----	NNE 5	10	St	0	5	-----	Lt. snow and graupel fall- ing.
Nov. 1	21	28.998	9.2	-----	6.6	N 2	10	St	0	6	.1	Lt. snow. Hvy. streamers of falling snow were ob- served to N during most of day.
1	8	28.965	9.4	-----	5.0	ENE 4	10	St	0	5	-----	Few flakes of snow falling. Vy. lt. snow and graupel falling.
1	14	28.934	8.0	-----	-----	W 6	10	St	0	5	-----	Occasional snow flurries.
1	20	28.935	-1.0	-----	-----	WNW 10	10	St	0	5	.1	Vy. lt. snow and graupel falling.
2	8	29.014	0.0	-----	-4.8	E 7	10	St	0	5	-----	Occasional snow flurries.
2	14	29.021	2.5	-----	-----	E 12	10	St	0	5	-----	Vy. lt. snow and graupel fell almost constantly during the day.
2	20	29.031	1.4	-----	-1.0	E 12	10	St N	0	6	.1	Snow flurries until 4h.
3	8	29.125	2.4	-----	0.2	ENE 9	10	St WSW	0	6	-----	
3	14:45	29.164	3.4	-----	-----	ENE 9	9	StCu SW, Few St	0	6	-----	
3	20	29.211	0.8	-----	-0.3	NE 9	10	9 StCu SW, 1 St NW	0	7	T	
4	8	29.254	8.8	-----	-1.1	N 9	10	StCu NE	0	5	-----	Lt. snow from 1h to 5h.
4	14	29.255	6.0	-----	-----	ESE 12	10	St ENE	0	5	-----	Few flakes of snow falling.
4	20	29.236	1.3	-----	1.3	E 15	10	St	Lt.	4	1.0	Mod. snow from 16:30h to 20:45h. CiSt visible for a short time at 15h.
5	8	29.146	-1.1	-----	-4.6	SSE 12	1	1 St ESE, Few Ci, Few StCu SE	0	9	-----	
5	14	29.133	1.0	-----	-----	S 12	1	1 St (SE?), Few Cu (SE?)	0	9	-----	
5	20	29.104	-7.0	-----	-7.0	S 12	8	StCu SSE	0	6	0	
6	8	29.098	-1.8	-----	-7.8	SE 7	9	AS	0	6	-----	
6	14	29.070	1.0	-----	-----	SE 9	9	StCu SE	0	6	-----	
6	20	29.018	-3.8	-----	-3.8	S 9	9	StCu	0	6	0	
7	8	28.952	-3.9	-----	-7.8	WSW 4	9	9 StCu (S?), Few St	0	6	-----	
7	14	28.927	1.2	-----	-----	E 11	9	9 StCu (N?), Few St	0	6	-----	
7	20	28.926	3.2	-----	-3.9	NNW 12	10	St	0	6	T	Vy. lt. snow. Hvy. snow flurries visible to N dur- ing evening.
8	8	29.019	3.1	-----	-1.3	NW 10	10	St NNW	0	6	-----	Lt. snow until 6h.
8	14	29.069	2.1	-----	-----	NW 9	9	StCu NW	0	7	-----	Hvy. snow to N at 9h.
8	20	29.086	-1.6	-----	-1.6	SW 3	10	StCu WNW	0	6	.6	Lt. drift at 9:50h.
9	8	29.094	5.0	-----	-5.4	NE 10	10	6 CiSt NNW, 4 StCu NW	0	6	-----	Vy. lt. snow.
9	14	29.089	5.0	-----	-----	NE 9	9	5 CiSt NNW, 4 Cu NNW	0	8	-----	Snowing.
9	20	29.091	-1.4	-----	-2.8	NE 9	9	3 CiSt NNW, 6 StCu NE	0	4	.8	Mod. snow. Scattered CiSt (NNW) present most of day; occasion- ally some false Ci over- flow from the Cu. 22° solar halo visible until 11h.
10	8	29.180	-3.0	-----	-7.8	ENE 14	5	3 CiSt N, 2 StCu SE	0	9	-----	Snowing until 22h. Bril- liant parhelion at 21:30h.
10	14	29.196	1.8	-----	-----	S 6	3	CiSt NNE	0	9	-----	
10	20	29.215	-3.6	-----	-6.8	SW 7	5	3 AS ESE, 2 ACu ESE	0	9	0	A sharp, sudden drop in temperature in the even- ing accompanied by a shower of ice crystals and brilliant parhelion. Looming observed to SW over the Bay ice.

* Total snowfall for month, 2.0 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall to 0h 24h	Remarks
			Dry	Max.	Min.							
1929	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Nov. 11	8	29.228	-3.0		-16.7	SW 3	4	3 Ci ESE, 1 ACu (SE?) Few St	0	7		
11	14	29.227	1.1			S 11	9	StCu SSE	0	7		
11	20	29.220	-7.8		-7.8	S 6	4	2 ASst E, 2 ACu E	0	8	0	
12	8	29.195	-2.5		-17.9	SE 6	9	St SE	0	5		Snow flurry from 5h to 6h. Clouds breaking at 9h.
12	14	29.156	-2.0			ESE 16	5	2 ACu ESE, 3 StCu ESE	0	8		
12	20	29.143	-3.4		-3.4	ESE 18	9	StCu NE	Lt.	7	T	Parhelia. Hvy. snow flurries visible to N.
13	8	29.165	.5		-10.8		0	ASst	0	9		
13	14	29.163	-2.0			SSW 2	Few	Ci	0	9		
13	20	29.226	-14.0		-14.0	E 10	0		0	9	0	
14	8	29.377	-4.0		-19.0	ESE 21	6	StCu NE	Lt.	6		
14	14	29.427	5.0			ESE 21	10	St NE	Lt.	4		
14	20	29.473	2.1		-5.0	ESE 13	3	StCu NE	0	9	0	
15	8	29.633	0.4		-10.3	E 6	1	ACu	0	9		
15	14	29.729	6.8			S 5	Few	ASst WNW	0	9		
15	20	29.775	-3.3		-4.3	E 8	Few	ACu (WNW?)	0	9	0	
16	8	29.828	2.6		-11.0	E 16	Few	Ci W	0	9		
16	14	29.821	10.0			ESE 18	1	Ci W	Lt.	8		
16	20	29.847	7.1		2.6	ESE 21	Few	CiSt W	Lt.	8	0	Ice crystals falling from 0h to 3h.
17	8	29.800	5.3		1.2	SW 6	Few	Ci (W?)	0	9		
17	14	29.744	9.1			SSW 7	Few	Ci WSW	0	9		
17	20	29.712	-1.5		-1.5	SSW 12	Few	Ci WSW	0	9	0	
18	8	29.612	0.3		-10.1	WSW 6	0		0	9		
18	14	29.464	5.0			SW 11	0		0	8		
18	20	29.395	-2.5		-4.0	S 6	0		0	9	0	
19	8	29.383	-5.0		-14.2	ESE 11	0		0	9		
19	14	29.356	8.3			SSW 6	0		0	9		
19	20	29.276	-1.5		-5.0	SW 7	Few	Ci SW	0	9	0	Day cloudless until 17:30h when a few patches of low Ci moved in from SW.
20	8	29.246	-5.0		-10.9	WSW 9	0		0	9		
20	14	29.243	9.8				Few	CiSt (WSW?)	0	9		
20	20	29.288	5.4		-5.0	ENE 3	5	St NW	0	9	T	The first low clouds for 6 days came over at 15:30h
21	8	29.465	-8.0		-8.0	WSW 9	2	StCu NW	0	9		Lt. snow until 7h.
21	14	29.548	-0.6			SW 12	8	StCu NW	0	6		StCu alternately building up and dissipating.
21	20	29.622	-2.1		-8.4	W 11	9	StCu NW	0	6	.2	
22	8	29.842	3.3		-5.6	W 5	2	1 Ci WNW, 1 St W	0	9		
22	14	29.862	11.4			ENE 8	8	7 CiSt W, 1 ACu WNW	0	8		
22	20	29.850	11.2		3.1	SE 12	10	5 ASst WNW, 5 St	0	3	T	Lt. snow from 19h to 1h. Bright 22° solar halo with parhelia and circumzenithal arc from 16 to 20h.
23	8	29.938	6.7		3.9	SW 4	1	Few Ci (W?), 1Cu WSW	0	9		
23	14	30.025	18.9				Few	ACu WSW	0	9		
23	20	30.072	1.8		1.8	E 6	1	Few Ci (W?), 1 ACu W	0	8	T	Fog formed rapidly after 21h.
24	8:20	30.052	6.3		-6.8	E 19	10	St (N?)	0	5		
24	14	30.035	11.2			E 14	9	6 StCu WNW, 3 St. N.	0	6		Occasional lt. snow.
24	20	30.049	10.8		6.3	E 9	9	StCu NW	0	6	T	
25	8	29.991	15.9		4.0		10	Dn. fog	0	0		Lt. to dn. fog from 5h to 10h.
25	14	29.876	20.0			WNW 16	1	St Cu W, Few St	Lt.	8		Lt. snow from 10 to 12h.
25	20	29.797	6.8		6.8	SW 12	10	St Cu	0	7	.1	Occasional lt. snow.
26	8	29.557	6.3		3.0	SW 9	10	St	0	5		Few flakes of snow falling.
26	14	29.461	6.6			SSW 15	8	StCu SE	0	8		
26	20	29.430	5.0		4.3	S 11	8	ASst SSE	0	9	T	Clearing in S and SW at 17h followed by steady drop in temperature.
27	8	29.360	4.3		-6.2	E 11	9	6 ACu W, 3 StCu (NE?)	0	6		
27	14	29.345	2.0			E 18	8	5 ASst W, 3 StCu NE	0	5		
27	20	29.328	5.4		1.8	ESE 13	4	ACu SW	0	9	0	
28	8	29.455	9.3		1.8	ESE 14	3	ACu ENE	0	9		

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Nov. 28	14	29.501	13.7	-----	-----	ESE 12	8	StCu ESE	0	9	-----	Occasional vy. lt. drift. Took off for flight over South Pole at 15:29h.
	20	29.544	9.2	-----	7.9	ESE 16	7	StCu E	Lt.	9	0	
29	8	29.474	13.3	-----	-0.1	-----	0	StCu (0?)	0	9	-----	Returned from flight over South Pole at 10:09h. Occasional lt. snow from 18 to 21h.
29	14	29.402	15.3	-----	-----	NE 7	7	StCu W	0	9	-----	
29	20	29.341	14.4	-----	12.7	NE 12	9	StCu N	0	6	T	
30	8	29.419	10.7	-----	5.3	ESE 18	2	Few CiSt, 2 StCu ENE.	Lt.	7	-----	
30	14	29.402	15.8	-----	-----	ESE 16	2	CiSt	0	9	-----	
30 ¹⁰	20	29.402	10.8	-----	10.0	SE 12	7	CiSt NE	0	9	0	
Dec. 1	8	29.425	7.0	-----	2.9	SSW 12	Few	Ci	0	9	-----	Considerable thawing now in the vicinity of dark objects and wherever the snow is dirty. No open water or sea smoke visible from barrier. An overcast of StCu (SE) in the early morning; clearing from S. at 5:30h.
	14	29.437	14.8	-----	-----	SSW 6	Few	Ci	0	9	-----	
1	20	29.431	12.8	-----	7.0	-----	0	Ci, StCu	0	9	0	
2	8	29.357	4.8	-----	-1.2	SSW 5	0	-----	0	9	-----	
2	14	29.275	13.8	-----	-----	SW 5	Few	CiSt	0	9	-----	
2	20	29.224	5.6	-----	4.8	ENE 3	Few	Ci	0	9	0	
3	8	29.244	1.8	-----	-1.4	S 7	2	1 Ci NNE, 1 ACu NNE.	0	9	-----	
3	14	29.297	10.3	-----	-----	SSW 7	8	Ci St NNE	0	8	-----	Faint 22° halo at 12h.
3	20	29.356	10.3	-----	1.5	SSW 7	10	7 CiSt NNE, 3 ASt NNE.	0	7	0	
4	8	29.536	18.3	-----	7.9	ESE 14	3	Ci ENE	0	8	-----	Barrier surface has softened considerably in last few days.
4	14	29.629	26.2	-----	-----	SSW 4	5	Ci ENE	0	9	-----	
4	20	29.695	18.7	-----	18.3	SW 5	1	1 Ci (NE?), Few ACu NE	0	9	T	
5	8	29.789	14.8	-----	9.5	SW 7	Few	ASt NNE	0	9	-----	
5	14	29.794	20.5	-----	-----	SW 9	3	1 CiCu NNE, 2 ACu NNE.	0	9	-----	
5	20	29.776	19.5	-----	14.7	SW 3	4	2 ACu NW, 2 St W	0	8	0	
6	8	29.699	14.9	-----	10.8	SW 4	1	Few ASt NNW, 1 StCu WSW.	0	9	-----	
6	14	29.657	22.0	-----	-----	SW 5	2	StCu W	0	9	-----	
6	20	29.633	18.5	-----	14.9	E 3	2	StCu (W?)	0	9	0	
7	8	29.645	12.0	-----	6.3	WSW 6	1	A StW	0	9	-----	
7	15	29.623	18.0	-----	-----	SW 9	2	Ci WSW	0	7	-----	Scattered Ci moving rap- idly from WSW.
7	20	29.609	17.0	-----	11.8	WSW 3	Few	Ci W	0	8	0	
8	8	29.445	13.8	-----	3.6	E 8	8	7 CiSt W, 1 St W	0	7	-----	Lt. fog from 2h to 4h caused rime formation on wind- ward side of exposed objects.
8	14	29.408	19.2	-----	-----	E 8	9	4 ACu W, 5 Cu	0	6	-----	
8	20	29.422	6.7	-----	6.7	SW 7	1	St SW	0	9	0	
9	8	29.544	13.5	-----	2.5	-----	0	Dn. fog	0	0	-----	Dn. fog from 7h to 11h. Sun dimly visible through fog.
9	14	29.609	17.4	-----	-----	W 5	Few	ASt WSW	0	8	-----	
9	20	29.650	10.6	-----	10.5	SW 4	Few	ASt WSW, St SW	0	9	0	
10	8	29.656	13.8	-----	2.8	ESE 12	9	St E	0	6	-----	
10	14	29.623	15.8	-----	-----	ESE 17	6	4 CiSt (NW?), 2 ACu NW, Few St ESE.	Lt.	7	-----	Lt. to dn. fog from 22h to 1h.
10	20	29.619	15.5	-----	13.8	SE 19	7	Few CiSt, 7 StCu E	0	7	0	
11	8	29.761	16.0	-----	14.8	S 12	1	StCu SE	0	9	-----	
11	14	29.814	17.7	-----	-----	SW 12	6	ACu S	0	9	-----	
11	20	29.848	16.9	-----	15.0	WSW 9	7	ACu S	0	9	0	
12	8	29.886	17.2	-----	7.5	SW 4	Few	ASt SW	0	9	-----	
12	14	29.852	28.1	-----	-----	SW 3	4	StCu SW	0	9	-----	
12	20	29.798	23.3	-----	16.4	N 4	9	9 StCu W, Few St. W.	0	6	0	
13	8	29.722	21.0	-----	18.5	SW 7	10	St	0	4	-----	Lt. to dn. fog from 4:30h to 9h.

¹⁰ Total snowfall for month, 2.9 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	180th mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Dec. 13	14:30	29.757	20.5			SE 12	8	St Cu	0	7		Lt. snow 9h to 13h.
13	20	29.757	22.0		19.6	SSW 4	10	St SSW	0	5	.1	Lt. snow from 5h to 9h.
14	8	29.801	18.0		13.4	SSW 2	10	St	0	5		Lt. fog from 22:30h to 6:15h.
14	14	29.798	13.8			SSW 7	9	St	0	6		
14	20:20	29.778	12.3		11.0	SSW 10	8	StCu SW	0	7	T	
15	8	29.771	17.0		5.4	NE 10	10	St W	0	6		Lt. snow from 8h to 11h.
15	12	29.756	23.0			WNW 8	10	St NNW	0	6		
15	20	29.781	23.0		17.0		0	St W	0	9	.2	
16	8	29.808	19.2		15.1	E 12	8	StCu SW	0	5		Few flakes of snow at intervals during morning.
16	14	29.775	23.0			E 12	10	St SW	0	6		
16	20	29.751	20.0		18.8	SSE 10	10	St (SW?)	0	4	T	Lt. fog from 19h to 22h.
17	8	29.676	18.8		14.5	S 5	9	ACu NE	0	6		
17	14	29.648	18.8			ESE 15	9	ACu NE	Lt.	6		
17	20	29.660	16.9		16.5	ESE 15	9	Few ACu NE, 9 St ESE.	0	6	0	Lt. mist B. 23:15h.
18	8	29.723	21.2		16.7	ESE 7	10	St	0	5		Lt. to hvy. mist ended 4:30h.
18	14	29.743	24.9			SE 9	10	St	0	4		Misting since 11:50h. Lt. fog since 12h. Freezing mist formed a thin film of ice glaze on the windward side of exposed objects.
18	20	29.770	25.8		20.8	E 6	10	St	0	4	0	Lt. mist and lt. fog ended 21h.
19	8	29.835	25.2		22.8	E 9	10	St E	0	5		
19	14:25	29.837	27.8			ESE 12	7	3 Ci, 4 StCu ENE	0	8		
19	20	29.822	23.8		23.8	ESE 13	Few	Ci (NE?), ACu E	0	9	0	
20	8	29.726	24.5		18.8	SE 19	4	2 CiSt E, 2 Ast ENE	Lt.	9		
20	14	29.634	25.8			ESE 26	8	5 Ast ENE, 3 StCu	Lt.	6		
20	20	29.604	24.2		23.7	E 17	9	Ast ESE	Lt.	7	0	
21	8	29.619	26.8		21.0	E 15	8	5 Ast NE, 3 StCu NE.	0	7		
21	14	29.653	30.8			ENE 16	9	StCu NE	0	6		
21	20	29.713	28.2		25.6	NE 17	10	StCu NE	0	6	.1	Lt. snow since 15:15h. Hvy. snow squalls to NW and N.
22	8	29.818	27.0		24.1	ENE 15	10	6 CiSt, 4 StCu	0	6		
22	14	29.797	30.2			E 15	10	St NE	0	5		Lt. snow since 13h.
22	20	29.754	27.0		27.0	ESE 14	10	9 StCu NE, 1 St NE	0	5	.5	Lt. snow continues.
23	8	29.640	29.5		26.3	E 18	10	St	Lt.	4		Occasional lt. snow.
23	14	29.581	30.0			E 16	10	St	Lt.	5		Lt. snow. The snowflakes are large.
23	20	29.569	28.8		28.8	ENE 12	10	St (NE?)	0	4	.2	Lt. snow. Lt. fog from 16h to 23h.
24	8	29.531	29.7		28.9	NNE 12	9	StCu N	0	5		Lt. snow ended 3h.
24	14	29.541	30.7			N 12	9	StCu N	0	6		
24	20	29.529	28.4		27.7	NNE 10	10	3 StCu NNW, 7 St NNW.	0	5	.3	Lt. snow. A hvy. fall of graupel from 19h to 19:45h.
25	8	29.443	30.0		27.0	NNE 9	10	7 StCu, 3 St	0	5		Lt. snow until 10:45h.
25	14	29.403	29.2			NNE 11	10	8 StCu, 2 St	0	6		
25	20	29.335	28.3		28.0	N 12	9	4 StCu (NW?), 5 StCu NNW.	0	6	.8	Lt. snow since 17:30h.
26	8	29.316	30.2		27.2	N 16	10	9 StCu NNW, 1 St (N?)	0	6		Lt. snow ended 7h.
26	14	29.333	30.8			NNW 10	9	8 ACu NNW, 1 Cu NNW.	0	7		
26	20	29.371	25.0		25.0	W 9	9	StCu WNW	0	7	.1	
27	8	29.505	18.3		14.8	NW 7	Few	Ast WSW	0	9		
27	14	29.552	25.4			E 5	7	St NNW	0	7		
27	20	29.562	26.5		18.3		0	Ast, StCu	0	9	0	
28	8	29.574	32.5		15.9		0	StCu WSW	0	9		
28	14	29.567	25.7			NE 7	9	StCu (0?)	0	6		
28	20	29.569	23.2		23.2	ENE 8	9	9 ACu (0?), Few St ENE.	0	6	T	
29	8	29.563	29.0		20.5	ENE 2	8	5 ACu WSW, 3 StCu	0	9		
29	14	29.522	31.8			E 5	7	StCu	0	8		
29	20	29.483	19.0		19.0	SE 9	5	1 CiSt (NW?), 4 St Cu SW.	0	9	0	
30	8	29.429	26.5		13.8	ESE 9	5	ACu WSW	0	7		
30	14	29.411	26.7			SE 8	5	ACu NW	0	9		
30	20	29.379	15.9		15.9	SSE 9	5	3 Ci NNW, 2 ACu NNW.	0	9	0	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloud- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1929	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Dec. 31	8	29.346	21.0	-----	12.2	S 10	8	4 ASst NW, 4 ACu NW.	0	8	-----	
31	14	29.318	24.2	-----	-----	SSE 9	7	5 Ci N, 2 ACu NNW.	0	7	-----	
31 ¹¹	20	29.347	22.2	-----	20.0	SSE 8	8	2 Ci N, 5 ACu NNW, 1 StCu SSE.	0	6	T	Vy. lt. snow from 19:15h to 20:30h.
1930												
Jan. 1	8	29.392	24.5	-----	16.4	WSW 4	10	ASst	0	6	-----	
1	14	29.416	28.3	-----	-----	WSW 5	9	ASst (SSW?)	0	6	-----	
1	20	29.441	31.7	-----	24.5	WSW 3	6	5 ACu (WNW?), 1 StCu NW.	0	6	T	
2	8	29.450	27.0	-----	16.1	NNE 10	10	St	0	6	-----	
2	14	29.406	30.2	-----	-----	NNE 14	10	St N	0	4	-----	
2	20	29.373	29.8	-----	27.0	N 11	10	St NNW	0	5	.5	Vy. lt. snow since 11h. Continued lt. snow until 23:15h.
3	8	29.380	23.0	-----	14.3	E 4	10	StCu N	0	6	-----	Dn. fog from 2h to 6:30h.
3	14	29.336	29.8	-----	-----	NNE 8	9	6 StCu (NNW?), 1 Cu N, 2 St N.	0	6	-----	Hard snow squall from 12:40h to 13:45h.
3	20	29.329	27.1	-----	23.0	N 8	9	Few Ci, 9 St N	0	6	.3	Vy. lt. snow. Hvy. St and StCu throughout the day with broken CiSt occasionally visible through breaks in lower clouds.
4	8	29.253	25.7	-----	22.1	ENE 14	10	St (ENE?)	0	5	-----	Lt. snow.
4	14	29.199	27.7	-----	-----	ENE 18	10	St ENE	Lt.	4	-----	Do.
4	20	29.188	25.0	-----	24.7	E 17	10	St ENE	Lt.	6	1.0	Lt. snow ended 19:30h. Whalers report a southerly gale and clear sky in the ice pack 600 miles to N.
5	8	29.195	23.8	-----	21.5	ESE 16	10	St ENE	Lt.	5	-----	
5	14	29.166	25.3	-----	-----	ESE 16	10	St ENE	Lt.	5	-----	
5	20	29.101	24.4	-----	23.3	ESE 18	9	Few CiSt, 9 ASst NE.	Lt.	6	T	Lt. snow from 15h to 19h. Faint 22° solar halo visible at intervals during evening. Whalers again report southerly gale near and to S of ice pack.
6	8	29.004	27.5	-----	23.0	ESE 19	10	9 CiSt, NNE, 1 St Cu ENE.	Lt.	5	-----	
6	14	28.952	27.8	-----	-----	ESE 21	10	ASst NE	Lt.	6	-----	22° solar halo from 9h to 9:45h.
6	20	28.935	28.4	-----	26.8	ESE 12	9	ASst NE	0	7	0	
7	8	28.961	26.8	-----	22.6	ESE 16	6	StCu NE	Lt.	8	-----	
7	14	28.957	29.5	-----	-----	ESE 18	9	3 ASst NE, 6 StCu ENE.	Lt.	7	-----	
7	20	28.939	29.6	-----	25.8	E 18	9	7 ASst (NW?), 2St Cu ENE.	Lt.	6	0	ASst and StCu thickened in the evening.
8	8	29.177	30.2	-----	28.8	ENE 10	9	StCu NNE	0	5	-----	
8	14	29.226	33.0	-----	-----	E 11	10	8 StCu NE, 2 St NE.	0	5	-----	Open water in bay to within ¼ mile of the Barrier cache.
8	20	29.230	31.0	-----	30.2	SE 12	10	6 StCu E, 4 St E	0	5	T	Occasional lt. snow from 14h to 17h.
9	8	29.211	31.6	-----	29.3	E 9	9	StCu ESE	0	5	-----	
9	14	29.201	30.3	-----	-----	NNE 6	10	9 StCu E, 1 St E	0	5	-----	
9	20	29.199	28.6	-----	28.6	NE 9	10	8 StCu E, 2 St NE	0	5	0	StCu gave way to a solid sheet of low St in the evening.
10	8	29.171	30.2	-----	25.7	NNE 8	10	7 StCu N, 3 St NNE	0	6	-----	
10	14	29.187	30.3	-----	-----	N 10	9	StCu N	0	6	-----	Lt. snow squall from 9:30h to 9:45h.
10	20	29.192	27.7	-----	27.1	NE 7	9	8 StCu N, 1 St N	0	6	T	
11	8	29.270	29.0	-----	27.4	NE 9	10	9 StCu N, 1 St NNE.	0	5	-----	
11	14	29.315	30.9	-----	-----	NE 5	10	9 StCu N, 1 St NNE.	0	5	-----	
11	20	29.334	26.9	-----	-----	E 9	9	9 StCu (N?), Few St (NNE?)	0	6	T	Lt. snow from 16h to 17h.
12	8	29.364	27.0	-----	24.0	ENE 11	10	8 StCu N, 2 St N	0	5	-----	
12	14	29.357	30.6	-----	-----	NNW 7	7	2 ACu N, 3 StCu N, 2 Cu N.	0	5	-----	
12	20	29.339	28.8	-----	27.0	NNW 5	10	8 StCu NNW, 2 St NNW.	0	5	T	

¹¹ Total snowfall for month, 2.3 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 6h to 24h	Remarks
			Dry	Max.	Min.							
1930	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Jan. 13	8	29.295	26.9	-----	22.3	WSW 7	10	7 StCu (WNW?), 3 St W.	0	5	-----	
13	14	29.251	27.6	-----	-----	W 9	1	StCu WSW	0	9	-----	
13	20	29.243	27.0	-----	22.2	W 3	6	StCu WNW	0	7	-----	
14	8	29.233	22.8	-----	16.1	E 9	10	StCu W	0	5	-----	Snow flurries from 2:30h to 6:30h.
14	14	29.245	25.0	-----	-----	NE 12	10	StCu W	0	5	-----	Snowing.
14	20	29.238	24.0	-----	22.8	NNE 5	10	St	0	5	T	Lt. snow.
15	8	29.298	24.0	-----	21.3	E 10	9	StCu NNW	0	6	-----	Lt. snow flurries ended 6h.
15	14	29.309	24.9	-----	-----	E 10	10	St NNW	0	5	-----	Lt. snow from 13:30h to 15:15h.
15	20	29.334	24.2	-----	24.0	E 3	2	2 ACu NW, Few StCu NNW.	0	9	.3	Sudden clearing at 18:15. Fog formed on bay at 24h.
16	8	29.329	20.8	-----	16.8	E 10	5	StCu WNW	0	6	-----	
16	14	29.297	23.1	-----	-----	E 12	9	StCu NNW	0	7	-----	
16	20	29.314	22.2	-----	20.8	E 9	9	6 StCu NW, 3 St	0	7	.2	Lt. snow from 19:20h to 21:30h.
17	8	29.280	22.9	-----	18.5	E 9	9	St (ENE?)	0	6	-----	
17	14	29.244	23.3	-----	-----	E 9	3	StCu W	0	9	-----	Rapid clearing of St at 8:15h.
17	20	29.237	20.8	-----	19.8	E 9	5	StCu ENE	0	9	T	
18	8	29.257	19.8	-----	15.9	E 7	10	StCu SSE	0	6	-----	
18	15	29.288	20.2	-----	-----	E 11	8	3 CiSt, 5 StCu NE, Few Cu.	0	6	-----	A sheet of CiSt visible at times through the lower clouds.
18	20	29.316	18.4	-----	18.4	E 9	9	StCu (E?)	0	6	0	Parhelion at 21:30h.
19	8	29.407	21.7	-----	13.0	SSW 6	9	Few ASst, 9 St	0	6	-----	
19	14	-----	-----	-----	-----	WSW 9	10	St (WSW?)	0	6	-----	
19	20	29.466	14.0	-----	13.3	WSW 9	10	St (WSW?)	0	6	T	Lt. snow from 17:30h to 23:30h.
20	8	29.582	14.0	-----	9.4	WSW 9	1	StCu SSW	0	9	-----	
20	14	29.640	19.1	-----	-----	SW 9	8	StCu SW	0	7	-----	Patches of thin StCu moving in rapidly from SW.
20	20	29.679	14.8	-----	13.7	SW 7	3	StCu SW	0	9	T	Plane flight to Discovery Inlet reports a bank of clouds covering the sea and also extending west at 13h.
21	8	29.739	15.3	-----	8.1	E 5	4	4 Ci WSW, Few St-Cu SW.	0	9	-----	
21	14	29.734	18.7	-----	-----	ESE 10	2	1 Ci WSW, 1 ACu SW.	0	9	-----	
21	20	29.693	13.8	-----	12.8	SE 11	Few	Ci WSW, ACu SW	0	9	0	Plane reports "heavy clouds" over sea and to W of Discovery Inlet; cloudless in interior.
22	8	29.498	18.3	-----	8.1	SE 12	0	-----	0	9	-----	
22	14	29.404	20.9	-----	-----	SE 16	Few	Ci SW	0	9	-----	
22	20	29.339	16.2	-----	15.6	SE 12	7	4 Ci W, 3 CiSt W	0	7	0	The Ci practically gone by 22h.
23	8	29.242	13.4	-----	8.9	ESE 11	1	Ci (W?)	0	8	-----	
23	14	29.180	13.9	-----	-----	ESE 10	Few	Ci (SW?)	0	9	-----	
23	20	-----	11.0	-----	9.0	S 2	Few	StCu S	0	9	0	Layer of StCu moving in from S after 21:45h.
24	8	29.086	12.4	-----	4.9	SSW 13	9	StCu SSW	0	6	-----	
24	14	29.082	12.3	-----	-----	SW 13	8	StCu SSW	0	7	-----	
24	20	29.075	8.6	-----	7.7	SSE 9	Few	StCu	0	9	0	Clearing slowly from S during afternoon.
25	8	29.136	10.3	-----	-0.4	-----	0	ASst, StCu	0	9	-----	
25	14	29.132	8.3	-----	-----	WSW 7	Few	StCu WSW	0	9	-----	
25	20	29.144	3.9	-----	3.9	SW 8	Few	StCu	0	9	0	
26	8	29.163	8.6	-----	-5.9	S 2	9	St S	0	6	-----	Thin layer of St formed at 2:30h attended by lt. fog which became dn. at 6:30h. Fog lifted at 7:40h, hvy. St persisted until 9:30h.
26	14	29.166	11.2	-----	-----	S 7	8	StCu S	0	7	-----	
26	20	29.198	7.0	-----	7.0	SSW 8	Few	Ci, StCu SE	0	9	0	Clear at 16h. The bay ice along the east barrier is completely broken up into large floes.
27	8	29.311	0.2	-----	-6.0	SSW 6	1	Ci S	0	9	-----	
27	14	29.341	12.3	-----	-----	SSW 2	Few	Ci	0	9	-----	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1930	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-6	Inches	
Jan. 27	20	29.365	4.9	-----	0.2	E 8	3	StCu WNW-----	0	9	0	Isolated patches of StCu from NW at 18h began to build up in NW and N; the cloud layer moved steadily overhead and nearly covered the sky by midnight.
28	8	29.209	14.2	-----	1.8	ESE 24	10	St-----	Mod.	3	-----	Lt. to mod. snow since 0h.
28	14	29.153	16.5	-----	-----	ESE 21	10	St-----	Mod.	2	-----	Lt. snow.
28	20	29.100	17.0	-----	14.2	ESE 19	10	St-----	Lt.	3	2.5	Lt. snow until 21h. Whalers at 67°5' S report dn. fog.
29	8	28.951	13.7	-----	11.9	SSW 9	5	3 Ci NNW, 2 ACu SSE.	0	9	-----	Lt. snow from 24:30h to 1:30h.
29	14	28.892	16.7	-----	-----	SW 10	4	1 Ci NNW, 3 StCu SSE.	0	9	-----	
29	20	28.906	8.0	-----	7.2	SSW 15	5	StCu S-----	Lt.	7	T	
30	8	29.020	-2.3	-----	-5.0	SW 9	4	Few ASt SW, 4 St SW.	0	6	-----	Shower of ice crystals produced bright parhelia and portion of 22° halo from 3:30h to 5h.
30	14:30	29.082	10.2	-----	-----	W 10	3	2 ACu WSW, 1 ASt WSW.	0	7	-----	
30	20	29.128	8.0	-----	-2.3	W 5	2	1 ACu WSW, 1 ASt WSW Few Cu (W?).	0	9	0	
31	8	29.200	12.1	-----	-2.6	W 2	3	StCu W-----	0	9	-----	Hvy. snow flurry from 3h to 3:20h with some graupel.
31	14	29.194	14.2	-----	-----	E 6	8	StCu NE-----	0	7	-----	ACu and ASt moved in from NE at 15:30h.
31 ¹²	20	29.113	18.7	-----	7.2	SE 21	10	St-----	Lt.	2	2.2	Hvy. steady snow from 16:50h to 22:30h. Lt. drift from 16:30h to 21h.
Feb. 1	8	29.150	7.7	-----	5.3	SSW 7	8	7 StCu WSW, 1 St-----	0	7	-----	Sound of surf against barrier and edge of bay ice, 3 miles to the NNW, audible all day. Lt. snow since 10:30h.
1	14	29.141	8.3	-----	-----	SSW 14	9	St-----	0	5	-----	
1	20	29.141	2.5	-----	2.5	SSW 18	9	St-----	Lt.	5	.5	Lt. snow until 23h. The lower clouds broke away at 24h showing a brilliant halo and parhelia produced by a hvy. shower of ice crystals.
2	8	29.171	4.5	-----	-0.3	W 12	3	St WSW-----	0	9	-----	Halo remained brilliant until 4h.
2	14	29.166	7.0	-----	-----	W 10	7	StCu W-----	0	7	-----	StCu moved in from W at 12h.
2	20	29.149	8.8	-----	3.8	W 11	10	St W-----	0	5	T	Lt. snow from 17h to 18:30h.
3	8	29.083	11.0	-----	3.0	WNW 7	3	St WNW-----	0	7	-----	Lt. fog from 8:30h to 9:15h.
3	14	29.080	16.0	-----	-----	W 7	10	St-----	0	5	-----	Lt. snow since 11:30h.
3	20	29.099	7.0	-----	7.0	E 6	9	5 StCu WNW, 4 St WNW.	0	6	T	Lt. snow until 23:15h.
4	8	29.135	14.0	-----	6.7	E 13	10	St NNW-----	0	5	-----	Snowing from 4:30h to 8:30h.
4	14	29.197	20.0	-----	-----	WSW 2	2	Few Ci NW, 2 ACu NW. Few StCu WNW.	0	8	-----	Hvy. snow flurry from 10:15h to 10:45h.
4	20	29.220	10.3	-----	6.7	ENE 9	9	7 CiSt NW, 2 StCu WNW.	0	7	2.0	Snow flurries from 17:45h to 23h.
5	8	29.193	12.4	-----	7.0	ESE 15	9	8 CiSt WNW, 1StCu.	0	7	-----	Occasional snow D. A.
5	14	29.155	17.7	-----	-----	E 16	6	3 Ci, 3 StCu NE-----	Lt.	7	-----	22° parhelia, partial 46° halo and circumzenithal arc and portion of parhelic circle at 13:55h. Hvy. shower of ice crystals.
5	20	29.132	12.0	-----	7.3	ESE 15	1	StCu ENE-----	0	9	.7	
6	8	29.142	9.0	-----	-----	ESE 11	1	1 ACu ESE, Few StCu SE.	0	9	-----	
6	14	29.130	10.0	-----	-----	S 2	1	ASt ESE-----	0	9	-----	
6	20	29.062	2.8	-----	2.8	-----	Few	ACu SE-----	0	9	0	
7	8	28.917	1.5	-----	-14.0	SSW 22	5	ACu-----	Lt.	5	-----	
7	14	28.746	2.3	-----	-----	SW 20	10	St-----	Lt.	5	-----	
7	20	28.684	1.7	-----	1.0	SW 12	10	ASt-----	0	6	0	

¹² Total snowfall for month, 6.5 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Visi- bility	Total snowfall 0h to 24h	Remarks
			Dry	Max.	Min.							
1930	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		0-9	Inches	
Feb. 8	8	28.873	3.8	-----	1.0	ENE 6	8	StCu WNW	0	7	-----	
8	14	29.033	11.7	-----	-----	ESE 15	9	StCu WNW	0	5	-----	
8	20	29.155	6.3	-----	3.0	E 18	9	ACu WNW	Lt.	6	0	
9	8	29.238	11.4	-----	-3.8	ESE 16	Few	ACu ESE	0	9	-----	
9	14	-----	10.0	-----	-----	ESE 11	Few	-----	0	-----	-----	Most of the meteorological instruments dismantled and packed.
9	20	-----	9.3	-----	3.0	NE 11	Few	ACu	0	9	0	
10	8	-----	-1.0	-----	-8.8	SE	6	ACu SE	-----	-----	-----	Fog over bay.
10	20	29.145	-1.3	-----	-1.3	SW 10	Few	St	-----	-----	-----	Shower of ice crystals; brilliant 22° parhelia.
11	8	29.286	-4.8	-----	-9.3	S 5	Few	St	-----	-----	-----	Hvy. bank of fog visible over sea most of day.
11	20	29.276	-8.3	-----	-8.3	SE 8	Few	St	-----	-----	-----	
12	8	29.255	4.2	-----	-10.6	ESE 16	10	StCu	Lt.	-----	-----	Few flakes of snow falling.
12	10	29.195	-----	-----	-----	ESE 16	7	StCu ENE	Lt.	-----	-----	
13	8	29.145	13.3	-----	-----	E 21	9	ACu	Lt.	-----	-----	
13	20	29.185	10.3	-----	10.3	E 16	10	ASt (?)	Lt.	-----	-----	
14	8	29.295	13.3	-----	6.7	E 14	10	ASt (?)	-----	-----	-----	
14	20	29.325	12.8	-----	12.8	0	10	ASt (?)	-----	-----	-----	A large section of the bay ice went out today.
15	8	29.375	14.2	-----	9.8	E 9	10	ASt (?)	0	-----	-----	
15	20	29.375	5.0	-----	5.0	E 21	10	St (N?)	Lt.	-----	-----	Lt. snow since 15h.
16	8	29.355	11.0	-----	1.5	E 20	10	St (?)	Lt.	-----	-----	
16	20	29.315	8.5	-----	8.5	E 10	9	8 ACu, 1 St	-----	-----	-----	
17	8	29.285	10.8	-----	2.7	ESE 18	8	StCu SE	-----	-----	-----	
17 ¹³	20	29.246	-3.7	-----	-3.7	ESE 12	2	2 ASt N, Few StCu	-----	-----	-----	Last observation at Little America.

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.					
1934	1800h mer. time	Inches	°F.	°F.	°F.	From m.p.h.	0-10	From		
Feb. 9	20	-----	2.0	-----	2.0	SE 7	0	-----	0	Day: Clear.
10	8	-----	8.0	-----	-7.8	0	Few	ACu SE	0	
10	14	-----	9.2	-----	-----	-----	6	ACu SSE	0	Cloudiness increased rapidly about 9h.
10	20	-----	4.0	-----	4.0	SW 3	4	ACu SE	0	Day: Pt. cldy.
11	8	-----	4.3	-----	-3.0	S 9	0	-----	0	
11	14	-----	11.0	-----	-----	-----	1	Ci	0	
11	20	-----	5.5	-----	3.0	SE	8	CiSt	0	Day: Pt. cldy.
12	8	29.643	13.0	-----	1.7	SE 17	3	1 CiSt NW, 2 ASst NW	0	
12	14	-----	-----	-----	-----	SE 26	8	CiSt NW	Mod.	
12	20	29.550	5.1	-----	5.1	SE 18	2	CiSt NW	0	Day: Pt. cldy.
13	8	29.537	0.2	-----	-7.8	SW 6	3	1 Cu NW, 2 ACu NW	0	
13	14	-----	10.0	-----	0.2	SW 6	6	4 CiSt NW, 2 ACu NW	0	22° halo.
13	20	29.501	12.0	-----	0.2	SE 20	6	6 ACu N	Lt.	Lt. drift in the evening and continuing after 24h. Day: Pt. cldy.
14	8	29.454	11.2	-----	8.0	SE 26	9	CiSt NW	Mod.	22° halo.
14	14	-----	15.0	-----	-----	SE 12	9	ASst NW	0	
14	20	29.373	8.0	-----	8.0	E 6	10	ASst NW	0	Day: Cldy.
15	8	29.298	6.0	-----	-2.5	SW 3	9	StCu S	0	
15	14	-----	-----	-----	-----	S 10	10	St S	0	Graupel at 9:50h. Lt. to hvy. snow, large flakes, from 10:15 to 14:30h.
15	20	29.243	-7.2	-----	-7.2	W 13	1	StCu W	0	Cloudiness decreased rapidly at 16h. Shower of ice crystals, parhelia of 22° halo and partial 46° halo at 21h. Day: Pt. cldy.
16	8	29.200	-8.8	-8.0	-17.0	W 20	1	ASst	Lt.	
16	14	-----	-1.7	-----	-----	W 13	0	-----	0	
16	20	29.230	-9.2	-1.7	-9.2	W 9	Few	ASst	0	Day: Clear.
17	8	29.225	-1.3	-1.3	-20.2	W 3	10	ASst NW	0	
17	14	-----	4.2	-----	-----	E 15	10	ASst NW	0	
17	20	29.222	0.8	5.8	-1.3	E 16	10	ASst NW	0	Day: Cldy.
18	8	29.204	8.8	8.8	.6	S 16	10	StCu S	0	Cloudiness diminished at 9 h.
18	14	29.243	5.5	-----	-----	SW 22	4	2 Ci NE, 2 CiSt NE	Lt.	
18	20	29.350	-1.0	8.8	-1.5	S 16	5	2 Ci NE, 3 CiSt NE	0	Day: Pt. cldy.
19	8	29.498	-1.0	0.0	-7.8	S 10	5	3 Ci NW, 2 CiSt NW	0	22° halo.
19	14	-----	3.3	-----	-----	SE 26	7	3 CiSt NW, 4 CiCu NW	Mod.	

¹³ Total snowfall, 3.2 inches.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.					
1930	1800h mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		
Feb. 19	20	29.390	9.2	9.2	-1.0	SE 27	10	ASt (NW?)	Mod.	Mod. drift during afternoon and evening. Day: Pt. cldy.
20	8	29.273	10.2	11.5	8.2	SE 25	5	2 Ci NW, 3 CiSt NW.	Mod.	Lt. to mod. drift continued all last night.
20	14	29.223	10.3			SE 26	10	ASt NNE.	Mod.	
20	20	29.198	7.0	11.0	7.0	SE 22	6	ACu SE.	Lt.	Day: Pt. cldy.
21	8	29.185	8.2	8.2	1.0	SE 22	3	Ci	Lt.	
21	20	29.083	6.0	10.7	6.0	SE 24	Few	Ci SSE.	Lt.	Day: Clear.
22	7:30	29.055	-0.4	6.0	-3.2	SE 8	1	Few CiSSE, Few CiCu SSE, 1 ASt SSE.	0	
22	14	28.998	2.8			SW 5	0		0	
22	20	29.001	-7.4	3.7	-7.4	S 3	0		0	A fine day with little wind. Day: Clear.
23	7:45	29.188	-12.8	-7.4	-20.9	S 4	Few	Ci N.	0	
23	14	29.302	-2.5			SW 3	Few	Ci N, CiSt N.	0	
23	20	29.402	-14.4	.5	-14.4	SW 5	Few	Ci N.	0	Day: Clear.
24	8	29.567	-18.6	-14.4	-24.7	SW 5	2	Ci NW.	0	
24	14	29.585	-13.9			SW 7	5	1 CiSt NW, 4 Ci NW.	0	22° solar halo from 10h to 13h.
24	20	29.567	-19.0	-13.5	-19.7	SW 8	1	Ci NW.	0	Heavy sea smoke observed over the water. Day: Clear.
25	8	29.470	-23.8	-19.0	-28.5	SW 4	10	ASt S.	0	
25	14	29.417	-13.1			SW 7	9	StCu SSW.	0	
25	20	29.358	-10.9	-10.6	-23.8	S 2	10	Dn. fog.	0	Heavy sea smoke continued throughout the day. Lt. fog B. 17:30h. Dn. fog E. D. P. A lt. deposit of rime was observed on the windward side of exposed objects. Day: Cldy.
26	8	29.326	-8.0	-8.0	-18.0	S 11	8	1 ACu SE, 7 ASt SE.	0	
26	14	29.277	1.3			E 16	10	St. E.	0	Snowing; moist snow since 13:50h.
26	20	29.309	0.6	1.3	-8.0	E 17	10	St NE.	0	Snowing at intervals throughout the night. Total fall about 1 inch. Day: Cldy.
27	8	29.356	4.8		0.8	E 16	10	St.	Lt.	
27	14	29.314	7.1			E 18	10	6 ASt SW, 4 ACu SW.	Lt.	
27	20	29.277	6.8	7.1	4.2	E 20	10	ASSt SW.	Lt.	Day: Cloudy.
28	8	29.146	6.2	7.8	1.2	E 16	4	1 CiCu W, 3 Ci W.	0	
28	14	29.071	3.1			E 24	7	3 Ci W, 4 CiSt W.	Lt.	
28	20	29.036	-2.9	9.0	-2.9	SE 8	7	Ci NW.	0	Solar halo from 14h to 15h. Day: Pt. cldy.
Mar. 1	8	29.021	-3.0	3.4	-8.0	S 6	9	CiSt NW.	0	22° solar halo.
1	14	29.047	-0.9			S 4	9	2 Ci NW, 7 CiSt NW.	0	
1	20	29.086	-3.8	2.3	-9.0	E 9	8	2 ASt W, 6 ACu W.	0	Solar halo until 15h. Iridescent clouds at 17h.
2	8	29.158	-5.0	-2.9	-20.0	E 11	10	5 St W, 5 StCu W.	0	
2	14	29.119	-4.0			E 16	8	4 CiSt NW, 4 CiCu NW.	0	
2	20	28.983	5.7	5.7	-6.5	E 25	10	St NW.	Lt.	Iridescent clouds at 14:30h. 22° solar halo from 16 to 17h. The St at 20h were rather high. Snow B. D. P.
3	8	28.701	16.6	16.6	5.7	SE 29	10	St.	Mod.	Snowing until 9h.
3	14	28.751	13.5			S 10	8	Ci N.	0	
3	20	28.904	-3.0	18.5	-3.0	SW 9	Few	Ci NW.	0	
4	8	29.309	-11.2	-3.0	-18.0	SW 2	4	StCu SW.	0	
4	14	29.248	19.7			NW 18	10	St NW.	0	Temperatures higher when wind shifted to NW.
4	20	29.267	22.0	22.0	-12.3	NW 24	10	St NW.	Lt.	
5	8	29.325	24.8	24.8	21.1	NW 17	10	StCu NW.	0	Snowing from D. A. to 7h.
5	14	29.304	24.0			N 16	10	5 St N, 5 StCu N.	0	Snowing from 14h to 14:30h.
5	20	29.229	12.0	25.3	12.0	NE 8	Few	StCu NE.	0	Parhelion at 15h.
6	8	29.126	7.0	12.0	6.1	NE 5	9	4 Ci W, 4 ASt W, 1 StCu NE.	0	
6	14	29.098	5.0		5.0	E 18	10	St.	Lt.	Snowing since 10:15h.
6	20	29.075	-6.5	14.1	-6.5	SW 24	10	St SW.	Lt.	Snowing.
7	8	29.393	-27.6	-6.5	-29.5	SW 4	1	Ci W.	0	Snow ended between 3h and 4h and sky began to clear.
7	14	29.392	-2.0			E 20	10	St.	Lt.	
7	20	29.335	17.7	17.7	-28.0	NE 32	10	St.	Mod.	Wind increasing throughout afternoon. Snow B. 23:30h.
8	8	29.194	20.0	20.0	14.2	NE 34	10	St.	Mod.	
8	14	29.005	22.1			NE 17	10	St.	Lt.	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
Mar. 8	20	28.889	28.8	28.8	20.0	N	17	10	St	Lt.	Lt. mist with fine snow. Mod. fog. ¼ inch of clear ice observed on the windward side of exposed objects. Snow continued throughout the night.
9	8	28.868	-4.0	29.4	-4.0	SW	20	10	St	Mod.	Snow until 12h. Fog ended D. A.
9	14	28.859	-6.0			SW	29	8	StCu SW	Mod.	Clouds breaking up.
9	20	28.949	-5.5	-4.0	-6.8	SW	17	9	ASt SW	Lt.	Clear ice ¼ inch thick observed on radio towers.
10	8	29.131	-5.5	-0.5	-16.5	NE	9	10	5 St SW, 5 St Cu SW	0	
10	14	29.280	4.5			NE	16	3	ACu W	0	
10	20	29.385	-6.8	5.6	-6.8	E	16	Few	ASt W	0	A fine day throughout. The first sun for several days.
11	8	29.428	2.0	2.0	-10.0	SE	16	7	4 Ci NW, 3 CiSt NW	0	
11	14	29.277	6.1			SE	22	5	Ci NW	Lt.	Solar halo from 10h to 11h.
11	20	29.085	7.3	9.0	-1.0	SE	34	2	2 Ci NW, Few ACu SE Few ASt SE.	Hvy.	
12	8	28.937	12.3	13.5	7.3	S	16	10	St	0	
12	14	28.843	8.0			S	24	10	St	Lt.	Snowing.
12	20	28.792	4.0	12.3	4.0	S	26	10	St	Lt.	Do.
13	8	28.892	-12.0	4.0	-12.0	SW	13	3	ACu W	0	
13	14	29.006	-17.0			SW	9	Few	Ci	0	Shower of ice crystals falling at 12h gave rise to 22° halo and parhelia.
13	20	29.080	-23.8	-12.0	-25.0	W	9	0		0	
14	8	29.211	-22.5	-23.8	-29.8	SW	4	3	ACu SW	0	
14	14	29.211	-9.0			E	13	8	ASt WSW	0	
14	20	29.238	-11.0	-9.0	-22.5	E	16	10	ASt W	0	
15	8	29.140	-7.6	-5.6	-11.3	E	22	8	3 CiSt, 5 Ci	Lt.	
15	14	29.104	-3.8			E	10	9	St NW	0	Snow from 13:30h to 15h.
15	20	29.111	-22.0	-1.0	-22.0	SW	9	Few	ASt	0	
16	8	29.130	-13.6	-10.8	-25.0	S	12	10	St W	0	
16	14	29.148	-15.6			W	9	9	St W	0	
16	20	29.210	-19.0	-13.6	-20.6	SW	7	9	St. S	0	
17	8	29.397	-25.7	-17.5	-32.0	S	8	Few	St. S	0	
17	14	29.463	-19.1			S	3	10	Dn. Fog	0	
17	20	29.500	-24.3	-18.2	-29.1	E	4	9	4 ACu W, 5 ASt W	0	Dn. fog until 18h. Lt. deposit of rime on windward side of exposed objects. Outline of sun visible most of day.
18	8	29.493	-15.0	-13.8	-24.3	E	24	10	St	Lt.	
18	14	29.513	-14.7			E	24	1	Ci NW	Lt.	
18	20	29.542	-13.5	-10.0	-15.0	E	24	1	ASt SE	Lt.	
19	8	29.553	-15.1	-13.5	-22.0	E	14	Few	ASt SW	0	
19	14	29.519	-11.1			E	21	1	ASt SW	Lt.	
19	20	29.464	-9.0	-9.0	-15.1	E	25	10	St	Lt.	Mostly clear at 22h.
20	8	29.250	-3.2	-3.2	-9.7	SW	9	10	5 St N, 5 StCu N	0	Drift until 8h.
20	14	29.194	-9.0			SW	16	9	StCu N	0	
20	20	29.189	-25.0	0.0	-25.0	SW	14	3	St N	0	
21	8	29.181	-37.5	-25.0	-42.4	E	4	1	St W	0	Few flakes of snow falling at 7:30h.
21	14	29.096	-23.0			W	17	5	St	0	Low overcast with vy. lt. snow at 9:30h.
21	20	29.050	-32.7	-20.0	-37.5	W	8	10	ASt W	0	
22	8	29.101	-42.5	-32.7	-43.0	W	7	Few	Ci W	0	
22	14	29.100	-37.3			SW	9			0	
22	20	29.119	-42.8	-36.8	-42.8	W	5	0		0	
23	8	29.284	-47.1		-51.0	S	3	Few	ASt SW, ACu SW	0	
23	14	29.342	-32.0			E	24	10	St	Mod.	
23	19:30	29.357	-29.7	-29.7	-50.0	E	24	10	St	Mod.	
24	8	29.224	4.0	4.0	-29.7	N	26	10	St	Mod.	
24	14	29.234	-7.3			W	11	9	StCu NW	0	
24	19:30	29.314	-28.0	4.0	-28.0	W	20	10	St	Lt.	
25	8	29.636	-40.0	-28.0	-40.0	W	13	Few	ASt W	0	
25	14	29.694	-34.9			SW	9	8	ASt W	0	Pressure high.
25	20	29.662	-24.9	-24.9	-40.7	E	7	10	ASt	0	
26	8	29.384	-16.2	-16.2	-24.9	E	24	10	St	Lt.	Snowing.
26	14	29.173	6.0			NE	24	10	St	Lt.	Do.
26	19:30	29.260	-23.6	8.1	-23.6	SW	9	10	St	0	Snow until 16h when barometer began to rise and wind shifted to W. Mostly clear after 22h.
27	8	29.249	-39.1	-23.6	-40.0	W	8	1	St W	0	
27	14	29.252	-40.9			W	10	0		0	
27	20	29.264	-49.8	-39.1	-49.8	W	2	0		0	
28	8	29.269	-50.0		-55.3	E	9	Few	ASt N or NW	0	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
Mar. 28	14	29.287	-41.1			S	6	10	ASt NW	0	
28	20	29.273	-40.5	-39.0	-50.0	SE	5	1	ASt NW	0	Clear at 21h.
29	8	29.360	-32.8	-32.0	-42.3	SW	5	10	ACu E	0	
29	14	29.434	-35.7			S	3	6	ACu SE	0	
29	20	29.444	-45.2		-46.4	S	6	1	Ci W	0	
30	8	29.338	-20.0	-18.0	-46.2	E	24	7	7 Ci (W?) Few AST	Lt.	
30	14	29.322	-15.0			E	19	10	ASt N	Lt.	Solar halo from 10:30h to 12h.
30	19:30	29.317	-21.0	-9.5	-21.8	S	9	5	Ci	0	Lunar halo at 21h. Began pilot balloon observations to- day.
31	8	29.334	-36.0		-37.0	S	8	9	7 Ci NNW, 2 CiSt NNW.	0	
31	14	29.362	-29.0			S	6	9	5 Ci NW, 4 CiSt NW.	0	
31	20	29.378	-28.0		-36.0	S	5	4	Ci NW	0	Lunar halo.
Apr. 1	8:30	29.285	-14.3	-14.3	-29.0	E	24	10	St E	Lt.	
1	14	29.193	-12.0			E	24	8	5 Ci NW, 3 CiSt NW	Lt.	Partial halo.
1	20	29.078	-10.3	-10.3	-14.3	E	34	10	St	Mod.	
2	8	29.013	-18.0	2.8	-18.0	W	22	10	St W	Lt.	Lt. fog B. D. A. Snow from D. A. to 8h. The barometer took a sharp rise at 7h and wind shifted to W. Temp falling. Fog until 10h.
2	14	29.200	-34.9			W	8	5	Ci NW	0	
2	20	29.085	-31.0	-18.0	-36.9	E	4	8	CiSt NW	0	
3	8	28.314	1.7	1.7	-31.0	E	37	10	Dn. fog	Mod.	Snow and lt. fog since 1h.
3	14	28.097	21.5			NE	29	10	do	Mod.	Snowing.
3	20	28.172	21.5	22.9	1.0	NE	24	10	do	Mod.	Do.
4	8	28.315	5.5	21.5	4.1	NE	29	10	St	Mod.	Snowing. Lt. fog.
4	14	28.541	8.6			N	20	10	St NNW	Lt.	Do.
4	20	28.818	4.0	9.7	4.0	N	20	0		0	Lt. fog and snow ended 19:30h.
5	8	29.024	-2.0	4.0	-5.9	E	17	7	6 ASt N, 1St NE	0	St coming in from NE.
5	14	29.019	-2.0			E	24	10	St NE	Lt.	
5	20	29.055	-3.0	4.6	-5.5	E	16	10	ASt ENE	0	
6	8	29.052	-6.0	-1.0	-12.0	E	17	10	St ENE	Lt.	Lt. snow since 7:30h.
6	14	29.039	0			SE	8	10	St NE	Lt.	Lt. snow.
6	20	29.044	-1.0	2.0	-6.1	E	16	10	St NNE	Lt.	Lt. snow continued all day.
7	8	28.991	-0.6	1.0	-2.8	E	24	10	St N	Lt.	Lt. snow.
7	14	28.953	0.4			E	28	10	St NNE	Lt.	Do.
7	20	28.907	-5.0	2.5	-6.0	E	24	1	ASt NNE	Lt.	Lt. snow until 18h. Mostly clear at 19h.
8	8	28.936	-6.0	-4.2	-7.8	E	24	10	ASt NNE	Lt.	
8	14	28.974	-9.0			E	17	10	ASt NE	0	
8	20	29.019	-17.5	-5.5	-17.5	E	16			0	
9	8	29.118	-18.3	-14.0	-18.3	NE	8	9	5 Ci NNE, 4 A St NE	0	
9	14	29.165	-11.0			E	5	10	St NE	0	
9	20	29.177	-21.0	-8.5	-21.8	E	9	10	St	0	
10	8	29.210	-10.9	-7.5	-21.0	SE	5	10	St ENE	0	
10	14	29.194	-7.5			SE	4	10	St SSE	0	
10	19	29.178	-16.0	-7.5	-16.0	E	6	5	St E	0	
11	8	29.075	-25.0	-15.0	-27.0	S	9	10	St NNE	0	Lt. snow since 7:30h.
11	14	28.995	-20.0			S	7	10	ASt ENE	0	
11	20	28.955	-15.1	-12.0	-25.0	E	20	8	CiSt ENE	Lt.	
12	8	28.937	-22.8	-15.1	-22.8	S	5	8	CiSt E	0	
12	14	28.941	-30.3			S	4	8	CiSt ENE	0	
12	20	28.982	-35.1	-22.8	-35.1	S	4	0		0	Good vis. today.
13	8	29.073	-42.8	-35.1	-42.8	S	3	Few	CiSt ESE	0	
13	14	29.092	-40.0			S	6	10	St ESE	0	Low clouds coming in at 13h.
13	19	29.073	-25.0	-22.0	-45.0	SE	13	10	St WNW	0	
14	8:30	29.094	-36.1	-22.0	-36.1	E	5	Few	St ESE	0	
14	14:45	29.096	-32.0			SE	13	0		0	Lt. fog B. 9:30h; fog thin and close to ground.
14	20	29.083	-33.0		-40.0	SE	12	0		0	Lt. fog.
15	8	28.948	-21.5	-25.0	-40.0	SE	20	10	St SE	Lt.	Do.
15	14	28.884	-15.6			SE	20	10	St SE	Lt.	Do.
15	20	28.850	-24.9	-14.6	-24.9	S	12	0		Lt.	Lt. fog. The low St were mostly gone at 16 h. disclosing some CiSt.
16	8	28.824	-25.0	-17.9	-31.0	SW	8	10	ASt E	0	Lt. fog E. D. A.
16	14	28.882	-15.6			E	22	10	ASt ESE	0	
16	20	28.966	-15.8	-15.0	-25.8	SE	16	10	ASt E	0	Clouds very thin; some stars visible.
17	8	29.068	-35.0	-15.8	-35.0	S	5	1	Ci N or NE	0	
17	14	29.097	-42.7			SW	3	7	1Ci NNE, 6CiSt NNE.	0	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloud- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.	From	m. p. h.				
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
Apr. 17	20	29.116	-45.8	-35.0	-45.8	SW	5	0		0	
18	8	29.145	-48.0		-48.0	SW	3	2	2 Ci ENE, Few ACu SE, Few Ast SE.	0	
18	14	29.137	-47.8			SW	5	Few	Few Ci ENE	0	
18	20:20	29.140	-50.8		-50.8	SW	4	0		0	
19	8	29.161	-47.2		-52.9	S	8	10	St E	0	
19	14	29.177	-34.1			S	8	10	St NNE	0	
19	20	29.197	-22.3		-47.2	S	7	10	St SE	0	Last day sun is visible.
20	8	29.249	-13.3	-12.6	-22.3	S	9	10	St SE	0	
20	14	29.263	-4.9			E	24	10	St SE	Lt.	Lt. snow since 12:30h. (By 12h the St had passed over leaving sky covered with Ast from N.).
20	20	29.288	-13.7	-1.4	-14.8	S	10	8	Ast NE	0	Lt. snow.
21	8	29.218	-11.2	-11.2	-15.9	S	4	10	St ESE	0	
21	14	29.177	-15.0			S	7	10	Ast NNE	0	
21	20	29.157	-18.8	-11.2	-19.0	S	8	0		0	
22	8	29.101	-21.2	-19.3	-24.0	S	10	10	St NNW	0	Lt. snow.
22	14	29.064	-18.8			S	4	10	St NNW	0	Do.
22	20	29.110	-35.4	-18.8	-35.4	SW	3	0		0	Lt. snow until 18h.
23	8	28.942	-10.0	-10.0	-38.0	E	24	10	St	Lt.	Lt. snow B. D. A.
23	14	28.710	0.0			E	29	10	St	Mod.	Lt. snow. Vis. 200 feet during day.
23	20	28.626	5.0	6.0	-10.0	E	25	10	St	Lt.	Snowing.
24	8	28.639	5.0	5.4	3.8	E	14	10	Ast E	0	Lt. snow.
24	14	28.686	4.3			SE	20	10	St ENE	Lt.	Do.
24	20	28.714	1.3	6.4	1.3	E	18	4	Ast NE	Lt.	Lt. snow. Ast vy. thin.
25	8	28.889	-2.0	1.7	-5.8	N	24	10	St N	Lt.	Lt. snow.
25	14	28.924	-1.0			N	16	10	5 Ci N, 5 St NNE	0	Lt. snow. Broken Ci and St at 15h.
25	20	28.925	-2.0	1.2	-3.3	N	13	7	Ast NE	0	Lt. snow. Ast thin.
26	8	28.907	-12.1	-2.0	-13.0	E	17	10	St NE	Lt.	Lt. snow until 12h.
26	14	28.912	-12.2			E	20	9	St Cu SE	Lt.	
26	20	28.906	-17.0	-9.0	-19.6	E	9	4	1 ACu SE, 3 St Cu ESE	0	Corona.
27	8	28.810	-24.3	-17.0	-32.4	S	9	10	St NE	0	
27	14	28.721	-23.0			S	9	8	St E	0	Snowing since 13h.
27	20	28.667	-8.9	-8.9	-25.5	E	22	10	St E	Lt.	Lt. snow. Moon occasionally visible through clouds.
28	8	28.794	-10.0	-8.9	-14.4	E	13	10	St NE	0	Snow ended D. P.
28	14	28.886	-4.0			E	14	10	Ast	0	Lunar halo and paraselenae at 16h.
28	20	29.019	-14.3	-4.0	-14.3	NE	16	2	Ci	0	
29	8	29.165	-7.1	-7.1	-19.0	E	24	10	St	Lt.	
29	14	29.092	-1.0			E	29	9	St	Lt.	
29	20	29.104	-7.0	0.2	-8.7	E	20	2	CiSt	Lt.	22° lunar halo.
30	8	29.072	-1.2	1.8	-17.0	SE	13	Few	Ci NNE	0	
30	14	29.046	-25.9			SW	9	0		0	
30	20	29.004	-32.0	1.0	-32.9	SW	13	0		0	
May 1	8	28.952	-40.5		-43.0	S	6	10	9 Ast SSW, 1 St S	0	Lunar corona until 9h.
1	14	28.842	-27.2			S	7	2	St Cu SSW	0	Shower of ice crystals and lunar halo at 16h.
1	19:30	28.779	-34.1		-41.0	SW	16	6	2 ACu SSW, 4 Ast SSW	0	
2	8	28.834	-46.0		-48.6	S	4	9	Ast S	0	Lunar corona.
2	14	28.851	-45.4			E	6	Few	Ci S	0	
2	20	28.835	-35.6		-46.0	E	18	10	St NNW	Lt.	Snowing since 19:30h.
3	8	29.068	-27.0	-23.0	-35.6	S	8	10	St S	0	Snow ended 6h.
3	14					SW	8	10	St	0	
3	20	29.425	-39.0		-39.2	SW	6	8	St SW	0	
4	8	29.486	-43.2		-48.0	E	6	Few	Ci	0	
4	14	29.421	-45.1			S	6	0		0	Shower of ice crystals, 22° lunar halo and paraselenae at 15h.
4	20	29.420	-42.9		-47.0	SW	12	0		0	
5	8	29.526	-39.8		-45.0	SW	4	4	CiSt	0	Faint 22° halo at 6h.
5	14	29.554	-41.9			S	3	7	CiSt (WNW?)	0	
5	20	29.561	-39.0		-44.4	E	8	0		0	
6	8	29.457	-34.7		-42.5	SE	12	0		0	
6	14:30	29.376	-34.4			SE	17	0		0	
6	19:30	29.326	-26.8		-36.7	SE	18	0		Lt.	
7	8	29.223	-23.9		-29.0	E	20	8	CiSt	Lt.	
7	14	29.167	-31.0			E	13	Few	CiSt	0	
7	20	29.093	-31.4		-33.0	E	18	0		0	
8	8	29.035	-38.4		-40.0	S	11	Few	Ci	0	Ci Are along N horizon.
8	14	29.051	-41.2			SE	9	1	CiSt	0	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	1800h mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
May	8	29.036	-44.0		-44.0	SW	6	0		0	
	9	28.979	-38.1		-45.0	S	7	0		0	Lt., shallow fog from D. A. to 11h.
	9	14	28.950	-31.8		SW	13	0		0	
	9	20	28.968	-42.0	-31.8	S	4	0		0	
	10	8	29.022	-53.0		S	2	Few	Ci	0	
	10	14	29.036	-46.0		E	12	0		0	
	10	20	29.070	-39.2		SE	7	10	St NNE	0	
	11	8	29.043	-7.5		E	20	10	St NNE	Lt.	Snowing since D. A.
	11	14	29.075	-6.8		E	13	10	St NNE	0	Lt. snow.
	11	20	29.086	-4.9	-4.9	E	13	10	St ESE	0	Snow E. D. P. Cloud height increased during day.
	12	8	28.999	-19.7	-4.0	E	17	0		0	
	12	14:35	28.921	-22.0		E	10	0		0	Ice crystals falling at 14h.
	12	20:30	28.806	-21.2	-13.0	E	8	10	St N	0	Snowing since 19:15h.
	13	8:30	28.544	-9.5	-9.5	SE	16	Few	Ci	0	Lt. snow ended D. A.
	13	14	28.451	-8.9		E	20	Few	Ci	Lt.	
	13	20:30	28.396	-4.7	-4.7	E	24	10	St	Lt.	
	14	8:30	28.416	-0.1	2.2	E	6	10	St ESE	0	
	14	14	28.450	-12.8		S	10	10	St	0	Snowing since 10h.
	14	20	28.494	-22.8	-0.1	S	12	10	St SE	0	Lt. snow. A few stars visible at 21h.
	15	8:30	28.508	-36.4		S	6	Few	StCu N	0	Lt. snow ended D. A.
	15	14	28.559	-30.3		S	5	10	St	0	Shower of fine ice crystals from 13 to 20h.
	15	20	28.643	-24.3		S	9	10	St	0	Lt., shallow fog; stars visible.
	16	8:30	28.853	-18.8	-18.8	E	7	10	St NNE	0	Vy. lt. snow since D. A. Lt. fog ended D. A. About ¼ inch of rime noted this morning on the windward side of exposed objects.
	16	14	28.913	-13.0		E	13	10	St NNE	0	Lt. snow.
	16	20	29.025	-11.9	-18.8	E	9	10	St NNE	0	Do.
	17	8	29.207	-11.1	-12.8	E	7	10	St	0	Do.
	17	14	29.308	-9.0		E	5	10	St (NW?)	0	Do.
	17	20	29.356	-8.1	-7.0	SE	6	10	St WNW	0	Lt. snow until D. P.
	18	8	29.434	-12.8	-8.1	W	2	10	St	0	
	18	14	29.412	-25.0		S	9	0		0	Sky clear at 13h.
	18	20	29.351	-42.0	-12.8	SW	6	0		0	Vis. vy. good. Shower of fine ice crystals falling since 21 h.
	19	8	29.265	-53.0		S	6	0		0	
	19	14	29.192	-55.0		SW	7	0		0	
	19	20	29.078	-54.8		SW	8	0		0	
	20	8	29.163	-59.8		SW	5	0		0	
	20	14	29.314	-58.3		SW	7	Few	Ci	0	
	20	20	29.442	-53.0		W	3	0		0	Shower of ice crystals from 19h to 20h.
	21	8	29.484	-41.8		E	8	3	StCu NW	0	
	21	14	29.472	-37.0		E	13	2	Ci	0	
	21	21	29.281	-28.0		SE	16	0		0	
	22	8	28.739	2.2		E	24	10	St (NNE?)	Lt.	Fairly hvy. snowfall consisting of large, moist flakes began at 10h.
	22	14	28.836	16.9		NE	34	10	St	Mod.	
	22	20	28.957	1.1	17.0	N	29	0		Mod.	Snow until 19h.
	23	8	29.480	-11.1	1.1	N	4	10	ASt (NNW?)	0	
	23	14	29.530	-6.0		E	12	10	St NE	Lt.	
	23	21	29.448	7.0	7.0	E	20	3	StCu NE	Lt.	Sky overcast at 22h.
	24	8	29.301	16.8	16.8	E	24	10	St	Lt.	Snow since D. A.
	24	14	29.272	20.0		E	17	10	St	0	Snowing until 16h.
	24	20	29.380	17.0	25.1	N	8	10	St ESE	0	
	25	8	29.258	19.5	12.8	E	11	10	St N	0	
	25	14	29.295	1.8		NE	9	3	CiSt NE	0	Faint 22° lunar halo from 13h to 15h.
	25	20	29.267	-3.0	21.4	E	4	4	ASt NE	0	Lt. snow B. 20:50h.
	26	8	29.084	9.7	13.2	E	18	10	St (NE?)	Lt.	Lt. snow E. D. A.
	26	14	29.045	9.0		E	17	10	StCu (NE?)	0	
	26	21:30	28.976	4.2	11.0	SE	13	6	ASt NNE	0	
	27	8	28.901	8.4	14.2	SE	13	10	St N	0	Lt. snow B. D. A.
	27	14	28.845	3.2		E	18	10	St N	0	Lt. snow.
	27	20	28.812	3.0	10.0	S	7	10	St	0	Do.
	28	8	28.715	1.8	5.7	E	8	10	St	0	Snowing.
	28	14	28.731	5.0		E	13	10	St	0	Lt. snow until 13h.
	28	20	28.780	-3.8	7.0	E	15	10	StCu NE	0	
	29	8	28.852	-3.0	-1.2	E	16	3	ASt NE	0	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	1800h mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
May 29	14					E	18			0	
29	20	29.031	6.2	6.2	-5.0	E	11	6	StCu	0	
30	8	29.054	14.0	14.0	3.0	SE	18	10	St	0	Lt. snow B. D. A.
30	15	28.998	19.0			E	13	10	St	0	Lt. snow.
30	21	29.039	20.1	20.4	14.0	NE	16	10	ASt	0	Do.
31	8	29.139	14.8	20.4	14.1	NE	14	10	St	0	Do.
31	14	29.131	7.0			E	13	10	St NE	0	Lt. show. Snow ended 10h. Snow B. 13h. Sky cleared somewhat after 11h; fine ice crystals falling through air.
June 31	20	29.085	7.8	14.8	-0.5	SE	13	10	St	0	Lt. snow.
1	8	28.863	7.8	14.3	3.8	SE	20	10	St (NE?)	Lt.	Do.
1	14	28.767	11.8			E	20	10	St (NE?)	Lt.	Do.
1	20	28.737	9.2	12.4	7.8	E	9	4	St NE	0	Snow until 21h. Sky clearing; few stars visible.
2	8	29.107	-2.0	13.0	-2.0	N	20	0		Lt.	Ci from N at 9h produced 22° lunar halo and parasalenae.
2	14	29.257	-11.8			E	8	1	Ci N	0	
2	20	29.178	1.0	1.8	-13.3	S	14	10	St	0	Snowing since 18h.
3	8:45	29.113	19.0	20.8	1.0	E	22	10	St (NE?)	Lt.	
3	14	29.079	16.2			SE	25	10	St (NE?)	Lt.	
3	20	28.997	24.4	24.4	14.5	E	22	10	St (NE?)	Lt.	
4	8	29.077	24.3	25.0	20.1	E	24	10	St (NE?)	Lt.	Snowing. Thin coating of ice on windward side of exposed objects this morning. Snow vy. fine and moist, probably mixed with some mist.
4	14	29.237	19.0			N	29	10	St (NE?)	Mod.	Snow ended at 12h.
4	20	29.382	19.5	25.2	13.8	E	16	10	St NNE	0	Vy. moist snow B. 21h.
5	8	29.453	19.3	23.9	15.3	E	16	10	St ENE	0	
5	14	29.375	9.4			W	4	0		0	
5	20	29.262	-1.0	22.0	-1.3	W	5	0		0	Observation of meteor trail shows a 121 m. p. h. W wind at altitude of 50 miles.
6	8	29.240	-15.5	14.3	-15.5	SW	7	0		0	
6	14	29.159	-16.0			S	13	0		0	
6	21	29.078	-19.0	-15.5	-21.0	SW	24	0		Lt.	
7	8	28.947	-22.9	-18.0	-26.0	SW	13	0		0	
7	14	28.904	-31.8			S	5	0		0	
7	20	28.885	-33.5		-37.4	SW	4	0		0	
8	8	28.848	-12.7	-12.7	-35.0	SW	3	10	St	0	Snowing. Estimated snowfall ¼ inch; snow lt. and fluffy.
8	14	28.773	-2.0			E	21	10	St (ENE?)	Lt.	Lt. snow.
8	20	28.762	6.9	6.9	-12.8	E	17	10	St ENE	Lt.	Do.
9	8	28.754	-7.2	7.4	-7.2	E	13	10	St	0	Lt. snow ended D. A.
9	14	28.848	-6.0			E	5	10	St	0	Snowing from 11h to 13h.
9	19:30	28.958	-1.0	-0.7	-10.3	E	11	10	St	0	Snowing since 17h.
10	8:30	29.047	6.2	7.0	-1.0	SE	13	10	St (NE?)	0	Vy. lt. snow.
10	14	28.867	12.9			SE	29	10	St (NE?)	Mod.	
10	20	28.887	6.8	14.7	5.7	E	23	0		Lt.	
11	8	28.948	1.0	10.0	-3.4	SE	17	4	St ENE	Lt.	Lt. snow; some stars visible.
11	14:30	29.144	-1.0			E	5	10	St ESE	0	Vy. fine snow. Some of the brighter stars are visible.
11	21:30	29.392	-14.8	4.7	-14.8	W	6	0		0	Fine ice crystals falling at 21:30h.
12	8	29.313	-22.7	-14.8	-27.1	E	4	0		0	
12	20	29.161	-27.2		-28.4	SW	8	0		0	
13	8	29.138	-27.0	-24.0	-33.8	S	7	1	St	0	
13	14	28.967	-14.6			SW	3	0		0	
13	21	28.824	-15.0	-14.6	-33.7	S	13	10	St	0	Snowing since 17h.
14	8	28.601	-13.0	-13.0	-17.0	S	13	10	St	0	Lt. snow. Mod. drift during night.
14	14	28.480	11.1			E	18	10	St (NE?)	0	Lt. snow.
14	20	28.469	15.3	21.0	-13.0	E	20	10	St (NE?)	Lt.	Do.
15	8	28.391	11.4	18.0	7.4	SE	18	10	1StCu ENE, 9St ENE.	0	
15	14	28.382	-2.0			NE	9	1	St NE	0	
15	20	28.403	-2.0	12.0	-5.7	E	8	0		0	Ice crystals falling.
16	8	28.444	6.4	13.5	-4.0	NE	17	10	St NE	0	Vy. lt. snow until 10h.
16	14	28.526	1.7			NE	24	10	St N	Lt.	
16	21:15	28.579	-2.1	6.9	-2.1	N	16	10	St N	0	Lt. snow.
17	9	28.655	-12.4	-2.1	-12.4	E	14	10	St (NE?)	0	Lt. snow until 10h.
17	14	28.657	-21.8			SE	15	Few	St SE	0	
17	21	28.673	-28.9	-12.4	-30.0	SW	3	0		0	Fine ice crystals falling.
18	8	28.748	-31.4		-35.0	SW	6	0		0	Ice crystals falling.
18	14	28.800	-33.3			SW	4	0		0	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
June 18	20	28.781	-27.8		-34.7	SW	8	10	St		Lt. fog (?) since 14:30h. Ice crystals falling.
19	8	28.688	-28.0		-38.8	S	7	10	St	0	Lt. snow fell during night.
19	14	28.677	-7.6			SE	13	10	St	Lt.	
19	20	28.705	-11.0	-7.0	-28.0	E	13	10	St	0	Lt. snow since 19h.
20	8	28.750	-11.8	-8.0	-20.0	W	7	10	St	0	Lt. snow.
20	13:30	28.741	-5.0			E	11	10	St (NE?)	0	Lt. snow until 17h.
20	21	28.711	-13.6	-4.0	-14.0	SE	5	10	St (E?)	0	
21	8	28.637	-21.0	-13.0	-21.0	SW	8	0	St ESE	0	
21	14	28.631	-25.0			SW	4	Few	St ESE	0	
21	20	28.612	-31.9		-31.9	S	8	0	St	0	
22	9	28.544	-32.0		-37.9	SW	3	2	ACu E	0	
22	14	28.531	-36.1			SW	2	4	ACu ESE	0	
22	20	28.572	-35.0			E	8	6	ACu	0	
23	9	28.740	-18.3		-37.1	E	11	10	St	0	
23	14	28.737	-21.3			NE	7	Few	AST E	0	
23	21:30	28.582	-13.3	-9.9	-27.7	SW	16	4	CiSt	0	Lunar corona at 15h. Lunar halo at 21h. Lt. fog B. 22h.
24	8:30	28.461	-30.3	-13.3	-35.0	E	20	2	AST	Lt.	
24	14	28.519	-20.0			E	23	10	St NE	Lt.	
24	19:30	28.681	-19.0	-16.0	-30.3	E	29	10	St NE	Lt.	
25	9	28.958	-12.1	-11.6	-23.6	E	18	10	St (NE?)	0	
25	14	29.060	-17.0			E	19	10	AST ENE	0	
25	20	29.074	-21.0	-10.0	-22.2	SE	17	4	AST ENE	0	
26	8	28.969	-15.1	-14.8	-21.9	E	22	8	AST NE	Lt.	Lunar corona; 2 rings visible. Low St came over at 9h.
26	14	29.056	-16.8			SE	2	10	St	0	
26	20	29.150	-20.0	-15.1	-20.0	SE	3	8	AST NE	0	22° lunar halo and lunar corona observed simultaneously at 21h; only AST visible.
27	8	29.215	-35.0	-20.0	-35.8	S	4	Few	AST E	0	Brilliant corona, 2 rings.
27	14:45	29.253	-40.0			SE	4	4	AST E	0	Shower of fine ice crystals.
27	20	29.294	-42.1		-42.1	S	4	0		0	Shower of ice crystals continues.
28	8:30	29.536	-49.0		-49.0	SW	6	0		0	
28	14	29.660	-50.0			SW	4	0		0	
28	20	29.649	-51.8		-52.6	SW	7	0		0	
29	8	29.508	-48.5		-53.0	S	3	Few	AST SW	0	
29	14	29.575	-50.0			SW	5	0		0	
29	20	29.624	-43.0		-51.4	SW	9	0		0	Lt. shower of vy. fine ice crystals falling.
30	8	29.650	-35.3	-35.3	-48.9	SW	15	3	CiSt	0	Faint 22° lunar halo.
30	14	29.668	-37.0			SW	9	Few	AST SW	0	
30	21:15	29.624	-31.0	-31.0	-40.0	SW	9	Few	AST	0	
July 1	8	29.418	-46.4	-31.0	-49.0	S	8	1	AST	0	
1	14	29.320	-38.0			E	11	10	St	0	Low St came over at 10h. Lt. snow since 13h.
1	21:30	29.252	-38.0		-47.7	S	5	0		0	Lt. fog since 17h.
2	8	29.171	-60.0		-60.0	S	4	0		0	Lt. fog E. D. A.
2	14	29.078	-58.2			S	4	0		0	
2	21:30	28.947	-48.3		-61.1	S	6	0		0	Shower of ice crystals from 19 to 21h; cutting down vis. considerably.
3	8:30	28.937	-54.5		-56.0	SW	3	0		0	Shower of ice crystals until 10h.
3	14	28.978	-58.8			SW	2	0		0	
3	20	29.025	-50.0		-58.8	S	3	0		0	
4	8	29.020	-33.1		-53.3	SW	5	Few	AST E	0	Lt. snow from 2h to 5 h.
4	14	29.024	-14.0			E	24	0		Lt.	
4	21	29.074	-18.0	-12.6	-34.3	E	16	0		0	
5	8:30	29.055	-11.4	-10.2	-22.0	E	13	10	St	0	
5	14	29.075	-13.4			E	13	10	St	0	Lt. snow since 3h.
5	20	29.103	-15.0	-11.4	-17.0	E	9	9	St ENE	0	A number of the brighter stars visible and shower of ice crystals falling since 19h; clear at 21h.
6	8:30	29.128	-23.4	-15.0	-29.0	W	3	0		0	
6	14	29.135	-40.8			W	7	0		0	Ice crystals falling.
6	20	29.165	-49.8		-49.8	W	5	0		0	
7	9	29.274	-49.2		-53.0	W	7	0		0	
7	14	29.327	-52.4			W	3	0		0	Do.
7	21:30	29.403	-51.0		-53.9	W	7	0		0	Do.
8	8	29.465	-56.2		-57.8	SW	4	0		0	
8	14	29.475	-55.0			S	6	7	CiSt Wor NW	0	
8	20:34	29.352	-35.8	-35.8	-59.0	SE	13	8	St?	Lt.	Vy. lt., fine snow. Few stars visible overhead; clouds difficult to determine.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
July 9	8	29.069	-29.2	-21.0	-40.0	S	11	5	St	0	
9	14	28.984	-25.0			S	6	10	St ESE	0	
9	21	29.018	-27.9	-16.0	-34.5	SW	13	10	St	0	Ice crystals or vy. lt., fine snow falling most of day; a number of stars visible.
10	8	29.079	-46.0	-27.9	-46.0	S	13	7	St	0	
10	14	29.132	-45.8			SW	14	8	St	0	
10	20	29.245	-46.1		-47.5	W	18	3	St	0	Ice crystals or vy. lt., fine snow falling all day.
11	8	29.425	-51.0		-51.0	W	5	0		0	Ice crystals falling.
11	14	29.397	-49.3			W	4	0		0	
11	20	29.354	-47.3		-54.0	W	9	0		0	
12	8	29.142	-52.0		-54.0	S	6	0		0	Ice crystals falling.
12	14	29.143	-50.1			SW	14	0		0	Lt., shallow fog from 10h to 14h.
12	20	29.161	-53.2		-54.5	SW	11	0		0	
13	8	29.264	-55.1		-57.7	SW	15	0		0	
13	14	29.319	-55.6			W	7	0		0	
13	20	29.321	-62.2		-62.2	S	4	0		0	
14	8	29.101	-51.0		-63.0	E	4	0		0	
14	14	28.931	-24.0			SE	24	0		0	Lt., shallow fog from 9h to 13h.
14	21:45	28.891	-21.0	-18.0	-56.9	SE	29	0		Mod.	Sharp rise in temperature.
15	9	28.872	-39.3	-17.0	-39.3	E	11	10	St E	0	Lt. snow.
15	14	28.766	-37.1			E	8	10	St (E?)	0	Do.
15	21:30	28.534	-32.2	-27.0	-39.8	S	11	10	St	0	Do.
16	8	28.309	-35.3		-36.2	SW	13	10	St (SE?)	0	Do.
16	14	28.293	-36.8			S	13	10	St	0	Do.
16	19	28.303	-39.0		-39.0	SW	13	0		0	Ice crystals falling.
17	8	28.534	-44.4		-45.8	W	3	Few	Cl	0	
17	14	28.615	-44.0			E	7	2	CiSt (N?)	0	
17	20	28.559	-22.5	-22.5	-55.3	SE	17	0		Lt.	Snowing since 16h.
18	8	28.506	-44.0	-18.5	-44.9	W	8	0		0	Lt. shower of ice crystals falling all day.
18	15	28.628	-48.6			W	6	0		0	
18	21:30	28.679	-57.7		-57.7	W	2	0		0	
19	8:30	28.715	-40.9		-58.8	W	3	0		0	Lt., shallow fog. Ice crystals falling.
19	14	28.739	-24.0			NE	13	10	St NW	0	Lt. snow.
19	20	28.766	-16.1	-16.0	-41.7	N	22	8	CiSt	Lt.	Faint 22° lunar halo since 18h. Brighter stars visible over- head.
20	8	28.854	-35.4	-14.0	-36.8	W	5	8	St NW	0	Snowing.
20	15	28.944	-42.0			SE	6	10	St	0	Do.
20	20	28.939	-36.2		-51.7	NE	16	Few	Cl	0	Clear at 17h.
21	9	29.240	-66.0		-67.0	SW	8	0		0	Lt. shower of ice crystals falling all day.
21	14	29.412	-70.0			SW	6	Few	CiSt	0	
21	20	29.576	-70.0		-70.6	W	5	0		0	
22	8	29.432	-43.0		-70.0	E	34	10	(St?)	Mod.	
22	14	29.212	-28.2			SE	45	10	St	Hvy.	
22	22	29.312	-25.0	-25.0	-43.0	S	20	7	St SSE	Lt.	Moon faintly visible all day.
23	8:30	29.673	-54.0		-54.0	S	6	0		0	Lt. shower of ice crystals falling most of day.
23	14	29.838	-59.0			S	2	Few	Cl	0	
23	20	29.927	-54.5		-59.5	S	7	4	ACu WNW	0	Lunar corona.
24	8	29.724	-29.5	-29.5	-54.5	SE	29	8	St	Mod.	
24	14	29.549	-17.0			SE	49	10	St	Hvy.	
24	20	29.418	-7.4	-6.4	-29.5	SE	34	10	St	Mod.	Snowing.
25	9	29.366	-7.0	-7.0	-12.0	SE	17	10	St	Lt.	Do.
25	14	29.375	-7.0			SE	17	10	St	0	Do.
25	21:30	29.336	-3.0	-1.7	-10.7	S	13	10	St ENE	0	Do.
26	8	29.200	6.8	8.4	-3.0	SE	22	10	St	Lt.	Do.
26	14	29.171	7.6			SE	20	10	St	Lt.	Snow until 13:30h.
26	20	29.128	13.3	13.3	5.3	SE	17	10	St NE	Lt.	Snowing since 17h.
27	8	29.075	21.9	22.9	13.1	NE	16	10	St	Lt.	Lt. snow perhaps mixed with some mist.
27	14	29.121	20.6			N	2	10	St N	0	Misting. Mist changed to vy. lt. snow at 17h.
27	20	29.122	17.3	22.7	17.3	SE	8	10	St	0	Vy. lt. snow. Coating of ice on exposed objects.
28	8	29.120	-20.1	17.3	-20.1	SW	8	5	StCu SSE	0	
28	14	29.128	-36.3			SW	7	0		0	
28	21:30	29.101	-38.9	-20.1	-43.0	W	4	0		0	
29	8:45	28.997	-50.1		-51.0	SW	3	0		0	
29	15:15	28.916	-53.7			SW	3	0		0	
29	21:30	28.834	-55.0		-55.8	W	8	0		0	
30	9	28.693	-56.0		-57.9	W	7	Few	AS	0	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.					
1930	180th mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		
July 30	14	28.627	-53.2	-----	-----	SW 7	0	-----	0	
30	21:30	28.581	-53.0	-----	-56.0	S 4	0	-----	0	Lt., shallow fog since 13h.
31	28	28.560	-59.2	-----	-60.0	S 3	Few	St N	0	
31	14	28.566	-46.8	-----	-----	S 4	9	St	0	
31	20	28.534	-36.0	-36.0	-59.7	SW 6	10	St E	0	
Aug. 1	8	28.358	-32.0	-----	-36.2	SW 8	0	-----	0	Lt., shallow fog from D. A. until 10h.
1	14	28.248	-41.5	-----	-----	W 13	1	ASt E	0	Few CiSt or ASt appeared in E at 11h. Lt., shallow fog since 13h.
1	22	28.212	-38.3	-----	-43.0	SW 6	10	St	0	Vy. fine, lt. snow since 18h.
2	8:30	28.334	-29.2	-----	-38.3	E 13	Few	ASt ENE	0	Lt., shallow fog.
2	14	28.354	-27.0	-----	-----	S 6	10	St (E?)	0	Lt., shallow fog until 9h. Snow E. D. A.
2	20	28.403	-1.8	-0.2	-30.0	E 16	10	St (NE?)	Lt.	Deposit of rime on exposed objects.
3	8	28.752	-4.7	-1.0	-12.7	SW 3	10	St E	0	
3	14	28.831	-15.8	-----	-----	SE 8	9	St S	0	Sky cleared at 16:30h.
3	20	28.875	-25.0	-----	-26.0	SW 3	0	-----	0	
4	9	28.790	-13.0	-13.0	-30.0	SW 6	10	ASt	0	Sky clear at 6h; clouded up suddenly before 9h.
4	14	28.738	-19.0	-----	-----	S 6	10	St	0	
4	20	28.737	-22.8	-12.0	-22.8	S 6	0	-----	0	Sky cleared at 18h.
5	8	28.867	-2.7	-2.7	-22.8	E 17	10	St (NE?)	Lt.	
5	13:15	28.930	-7.1	-----	-----	E 17	8	ASt NNE	Lt.	
5	21:30	28.961	-21.9	-1.9	-24.1	E 17	0	-----	Lt.	
6	8	28.969	-26.8	-----	-30.1	W 10	10	ASt	0	
6	14	28.896	-27.0	-----	-----	W 10	10	ASt SSE	0	
6	20	28.861	-33.9	-----	-34.0	SW 7	0	-----	0	Lt. shower of ice crystals at 15:30h.
7	8	28.736	-55.0	-33.9	-55.0	S 4	Few	ASt S	0	
7	14	28.719	-55.9	-----	-----	S 5	0	-----	0	
7	21	28.728	-54.6	-----	-57.8	SW 3	0	-----	0	
8	8	28.813	-40.9	-----	-59.0	E 9	10	St NNW	0	Lt. fog B. D. A.
8	13:30	28.864	-28.8	-----	-----	E 13	10	StCu	0	Lt. fog until 17h.
8	20	28.923	-27.0	-----	-40.9	E 9	10	St ESE	0	Lt. snow B. 18h.
9	8:25	28.924	-12.0	-12.0	-38.1	S 6	10	St (NE?)	0	Lt. snow.
9	14	28.934	-13.3	-----	-----	S 11	10	St NE	0	Lt. snow until 9h.
9	20	28.969	-22.1	-8.9	-23.6	S 7	0	-----	0	Ice crystals falling since 19h. Stars faint.
10	8:30	28.942	-22.7	-19.9	-24.3	S 4	8	ASt NE	0	
10	13:30	28.908	-29.1	-----	-----	S 4	10	ASt	0	
10	20	28.862	-25.0	-----	-32.0	W 4	0	-----	0	Sky clear at 17h.
11	8	28.738	-27.3	-13.9	-37.0	SW 13	1	StCu	0	
11	14	28.610	-33.0	-----	-----	SW 9	0	-----	0	
11	20	28.497	-46.5	-24.0	-46.5	S 7	0	-----	0	Hvy. shower of ice crystals at 22h. causing poor vis.
12	8	28.529	-41.3	-----	-47.2	W 7	10	ASt SE	0	
12	14	28.504	-51.4	-----	-----	W 6	2	Ci	0	
12	20	28.451	-53.0	-----	-53.0	W 11	0	-----	0	Ice crystals falling.
13	8:30	28.443	-44.0	-----	-53.2	W 9	0	-----	0	
13	14	28.517	-41.0	-----	-----	W 11	0	-----	0	Cloudy from 10h to 11h.
13	21:30	28.648	-36.6	-----	-44.0	W 5	10	St SW	0	Vy. lt. snow since 19:30h.
14	8:30	28.823	-40.0	-----	-43.0	W 11	9	St	0	
14	14	28.910	-24.2	-----	-----	W 11	10	St	0	Lt. snow since 13h.
14	20	28.990	-27.2	-20.0	-40.0	W 8	10	St WNW	0	Lt. snow.
15	8	29.176	-33.1	-----	-37.7	S 6	10	St	0	Snow ended D. A. Fall estimated at ½ inch.
15	14	29.165	-26.1	-----	-----	E 13	10	ASt WNW	0	
15	21:15	28.976	-16.4	-16.4	-35.1	SE 29	10	St	Lt.	Snowing since 18h.
16	8	28.586	-3.7	-3.7	-16.4	S 27	10	St	Lt.	Snow continues.
16	13	28.465	-7.8	-----	-----	E 24	10	St	Lt.	Snowing until 17h.
16	20	28.321	-12.8	-3.7	-12.8	S 7	10	St ENE	0	
17	8	28.450	-21.0	-6.8	-21.0	SW 16	10	St	0	
17	13:30	28.560	-22.2	-----	-----	W 13	10	St	0	
17	20	28.612	-37.0	-----	-37.0	W 13	0	-----	0	
18	8	28.750	-49.0	-----	-----	W 7	3	St	0	
18	13:30	28.844	-52.1	-----	-----	NW 5	Few	St	0	
18	19:05	28.836	-36.2	-36.2	-55.0	NE 13	1	ASt NW	0	Hvy. shower of ice crystals since 18h.
19	8	28.744	-36.1	-----	-37.2	E 16	9	St	Lt.	
19	14	28.591	-36.2	-----	-----	E 17	8	CiSt	Lt.	
19	20:30	28.448	-44.0	-----	-44.0	SW 4	Few	Ci	0	Ice crystals falling.
20	8	28.353	-59.4	-----	-61.1	SW 3	Few	ASt (WNW?)	0	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloud- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
Aug. 20	14	28.361	-49.2			SW	5	0		0	
20	20:30	28.410	-52.8		-62.3	W	6	0		0	Ice crystals falling.
21	8:30	28.553	-65.0		-66.2	W	3	Few	Ci (NW?)	0	
21	14	28.658	-65.0			W	4	0		0	
21	20	28.752	-70.1		-70.9	W	5	0		0	Ice crystals falling since 17h.
22	9	28.874	-46.0		-70.1	E	11	9	StCu	0	Sky clearing at 10h.
22	14	28.880	-51.0			E	12			Lt.	
22	20	28.850	-57.0		-57.0	S	6			0	
23	9	28.739	-58.2		-65.3		0	10	ASt	0	
23	14	28.705	-50.0			SW	4	10	5 CiSt, 5 ASt	0	Vy. fine snow or ice crystals falling since 13:30h.
23	20	28.697	-47.1		-58.2	SW	2	10	CiSt	0	Vy. fine snow or ice crystals falling; 22° lunar halo.
24	8	28.720	-62.1		-62.1	SW	2	5	ASt	0	
24	14	28.754	-58.0			E	9	8	Ci	0	
24	19:30	28.771	-55.6		-64.0	E	6	0		0	Ice crystals falling since 16h.
25	8	28.725	-54.2		-64.7	SW	4	10	St	0	Lt., shallow fog.
25	14	28.628	-45.7			SW	9	10	ASt (SSE?)	0	
25	21	28.525	-60.0		-60.0	SW	4	0		0	
26	9	28.362	-40.9		-60.0	SW	11	3	ASt	0	
26	13:15	28.325	-47.0			SW	13	10	ASt	0	
26	19:15	28.213	-50.3		-53.0	SW	11	0		0	Hvy. shower of ice crystals falling.
27	8	27.933	-62.0		-62.0	W	9	0		0	
27	14	28.075	-66.8			E	3	Few	ASt (W?)	0	
27	20	28.245	-47.4		-68.0	E	16	0		Lt.	
28	8	28.769	-18.1	-17.0	-49.8	NE	29	10	ASt	Lt.	
28	14	28.972	-19.9			NE	24	8	ASt	Lt.	
28	20	29.096	-40.0		-41.0	E	14	0		0	Ice crystals falling.
29	8	29.167	-42.0		-47.0	E	5	9	ASt	0	
29	13:30	29.200	-44.3			SE	4	7	ASt (ESE?)	0	Lt. snow.
29	21:15	29.196	-45.8		-47.3	S	3	0		0	Ice crystals falling.
30	8	29.084	-62.5		-62.5	S	3	0		0	
30	14	29.023	-62.2			S	2	0		0	
30	20	28.977	-68.2		-68.2	S	3	0		0	Shower of ice crystals since 18h.
31	8	28.822	-64.0		-71.3	S	3	0		0	Lt. fog since D. A.
31	14	28.789	-57.0			SW	11	0		0	Lt. fog.
31	20	28.758	-47.2		-65.0	W	13	0		0	Do.
Sept. 1	9	28.653	-38.4		-49.8	S	8	10	ASt ENE	0	
1	14	28.612	-36.3			S	12	10	ASt	0	
1	20	28.557	-37.0		-40.2	S	10	0		0	
2	8	28.406	-22.7	-22.7	-45.1	E	13	10	St (NNE?)	0	
2	14	28.376	-29.7			E	18	4	CiSt	Lt.	
2	19:15	28.267	-9.7	-9.7	-30.8	SE	17	0		Lt.	
3	7:30	28.022	-33.2	-3.0	-33.7	S	9	2	1 ACu, 1 StCu	0	
3	14	28.043	-33.0			SE	8	3	1 ASt, 1 ACu, 1 Ci, Few St	0	
3	20	27.967	-35.1		-39.0	SW	13	0		0	Hvy. shower of ice crystals falling.
4	8	28.097	-40.1		-44.7	W	10	10	St	0	
4	14	28.260	-8.1			N	24	10	St NE	Lt.	Sky cleared from 11h to 12:30h.
4	19:15	28.337	1.0	2.4	-40.1	N	27	10	St	Lt.	Shower of ice crystals and parhelia from 12h to 12:30h.
5	8	28.591	-11.0	1.0	-11.0	E	13	10	St NE	0	Lt. snow since 16h.
5	14	28.683	-14.9			E	9	10	St NE	0	Snow ended D. A.
5	20	28.801	-19.0	-11.0	-20.9	SW	5	0		0	
6	8	28.978	-24.7	-19.0	-27.1	S	8	10	St	0	
6	13:40	29.021	-38.8			W	6	5	Few ASt, 5 St SW	0	St vy. thin.
6	20:30	28.961	-42.8		-49.0	N	3	2	St WNW	0	
7	8	28.944	-47.1		-50.3	W	5	0		0	
7	14	28.950	-52.0			SW	8	0		0	
7	20	28.917	-59.8		-59.8	W	3	0		0	Lt. shower of ice crystals falling.
8	8	28.815	-64.5		-64.5	S	4	Few	Ci	0	
8	14	28.888	-57.0			W	5	Few	ACu (WSW?)	0	
8	22:30	28.949	-63.0		-64.3	NW	2	0		0	Lt. shower of ice crystals falling.
9	8:30	28.803	-40.2		-64.9	E	18	10	St	Lt.	
9	14	28.622	-19.7			SE	17	10	St	0	
9	19:30	28.503	-33.0	-13.0	-40.2	S	17	10	St	Lt.	
10	8	28.820	-47.3		-48.0	SW	16	10	ASt	0	
10	14	29.029	-49.0			SW	8	4	ASt WNW	0	
10	20	29.146	-58.0		-58.0	W	2	0		0	
11	8	29.184	-40.9		-62.5	E	16	7	CiSt	0	
11	14:15	29.163	-47.5			SE	4	3	CiSt	0	Ice crystals falling.
11	19:30	29.124	-57.0		-57.0	S	6	0		0	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloud- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
Sept. 12	8	29.111	-52.0		-58.8	S	4	3	CiSt NW	0	
12	14	29.091	-52.5			S	6	Few	Ci	0	
12	20	29.052	-58.5		-58.5	S	2	Few	Ci NW	0	Lt. shower of ice crystals falling.
13	8:30	28.800	-61.0		-63.8	S	3	0		0	
13	14:30	28.695	-58.2			S	3	0		0	
13	20	28.636	-64.2		-64.2	S	3	0		0	Lt. shower of ice crystals falling and continuing throughout night.
14	8	28.530	-64.0		-67.0	S	4	Few	St N	0	
14	14	28.545	-63.0			S	8	0		0	
14	20	28.595	-55.0		-64.0	E	11	0		0	
15	8	28.753	-26.0		-56.3	E	24	10	St	Lt.	
15	14	28.864	-21.0			E	20	10	St	Lt.	
15	19:30	29.012	-23.9	-13.8	-26.0	E	24	0	St NE	Lt.	
16	8	29.192	-30.9		-30.9	E	14	8	St NE	0	
16	13:40	29.186	-41.0			SE	4	2	Ci	0	
16	20	29.045	-55.0	-30.9	-55.0	S	6	0		0	Ice crystals falling during most of day.
17	8	28.675	-56.2		-58.5	S	6	0		0	
17	20	28.741	-64.8		-64.8	W	3	Few	ASt	0	
18	8	28.845	-45.0		-66.3	NE	5	Few	StCu	0	
18	13:30	28.841	-40.1			E	4	0		0	
18	20	28.831	-37.0		-49.3	E	13	9	StCu NW	0	Lunar corona.
19	8	28.801	-29.8		-40.0	E	13	10	St	0	
19	13	28.837	-25.3			NE	14	10	St	0	
19	19:30	28.829	-32.6		-34.7	E	22	10	St	Lt.	
20	8	28.702	-19.0	-19.0	-32.6	E	38	8	StCu (NE?)	Mod.	
20	13	28.716	-12.8			E	34	10	St (NE?)	Mod.	
20	20	28.780	-13.0			E	34	10	St	Mod.	
21	8	28.991	4.5	4.5		E	24	10	St	Lt.	Hvy. snow B. D. A.
21	14	29.160	10.0			NE	18	10	St	0	Snow ended 16h.
21	19:15	29.335	-8.9	10.0	-8.9	E	15	8	StCu NE	0	
22	8	29.558	-25.0	-8.9	-27.0	S	3	0		0	Lt. shower of ice crystals at 10h.
22	13	29.556	-23.7				0	Few	Ci, ASt N	0	
22	20	29.453	-13.2	-13.2	-27.0	W	9	10	St	0	Lt. fog since 18h.
23	8:30	28.997	-4.0	-4.0	-13.2	E	11	10	St	0	Lt. fog. Lt. deposit of rime on E side of exposed objects this morning.
23	14:30	28.809	-2.0			E	11	10	St	0	Lt. fog. Lt. snow since 13:30h.
23	20	28.684	3.9	6.0	-4.0	N	13	10	St	0	Lt. fog.
24	8	28.696	-25.6	3.9	-25.6	SW	13	10	5 CiSt, 5 St	0	
24	14	28.835	-32.2			SW	8	10	St SSE	0	Lt. snow since 13:30h. Intermittent snow during the day.
24	20	28.967	-38.4		-38.4	W	3	Few	Ci	0	Vy. fine, lt. snow or ice crystals falling.
25	8:30	28.920	-32.0		-51.0	W	5	10	St	0	
25	14	28.856	-32.0			SW	9	10	St	0	Lt. snow.
25	20	28.786	-21.9		-33.0	S	11	10	St	0	Do.
26	8	28.710	-30.0	-18.0	-30.0	SW	16	6	3 Ci, 3 CiSt	Lt.	
26	14	28.737	-24.8			S	9	10	ASt	0	
26	20	28.836	-35.8		-36.8	SW	9	Few	ASt	0	
27	8	28.958	-30.2		-38.4	W	9	Few	St SSW	0	
27	14	29.055	-29.0			S	8	Few	CiSt (?), St SW	0	
27	20	29.113	-40.0		-40.0	W	3	10	St W	0	Shower of ice crystals falling.
28	8	28.985	-24.0	-2.0	-40.0	NE	5	9	St	0	
28	14	28.954	-32.8			W	13	4	1 CiSt, 3 St W	0	Sky cleared suddenly at 11h.
28	20	29.017	-30.0	-14.8	-33.1	SW	12	10	St SW	0	
29	8	29.008	-25.0	-25.0	-37.3	SW	8	10	St	0	
29	14	29.062	-33.0			SW	3	0		0	Lt. fog. Fog bow opposite the sun at 13:45h. Lt. fog ended 15h.
29	20	29.098	-47.0		-47.0	W	2	Few	CiSt	0	
30	8	29.025	-12.0	-12.0	-50.3	E	9	10	ASt WNW	0	The layer of E wind this morning was less than 60 feet thick, the wind generator pointing westerly.
30	13:30	28.956	3.0			N	18	9	ASt NW	Lt.	
30	20	28.853	2.2	7.6	-12.0	NW	16	10	St	Lt.	Lt. snow since 17h.
Oct. 1	8:30	28.998	-30.9	2.2	-34.7	SW	18	0		Lt.	
1	14	29.084	-31.9			S	11	Few	Ci	0	Horizon hazy during forenoon; vis. much improved now.
1	20	29.108	-42.9		-43.8	S	3	Few	Ci	0	
2	9	29.085	-40.1		-45.2	SE	4	Few	Ci NW	0	
2	13	29.070	-32.6			S	3	6	Ci NW	0	Shower of ice crystals and halo during afternoon.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	180th mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
Oct. 2	20	29.057	-37.1		-41.0	S	4	Few	ASt W	0	
3	8	28.935	-27.0		-41.8	E	13	7	CSiSt NW	0	
3	14	28.861	-23.4			SE	5	10	CSiSt NW	0	
4	8	28.557	-6.1		-27.0	E	24	10	St	Lt.	Lt. snow since D. A.
4	14	28.430	-0.9			E	24	10	St	Lt.	Lt. snow.
4	20	28.352	-2.7	3.0	-6.3	E	18	10	St	Lt.	Do.
5	8	28.250	0.6	0.6	-6.1	E	19	10	St	Lt.	Lt. snow ended 11h.
5	13:45	28.092	6.4			SE	18	10	St E	Lt.	
5	20	27.804	14.1	14.1	0.6	E	24	10	St E	Lt.	
6	8	27.978	-12.0	17.0	-12.0	SW	14	10	St (SW?)	0	Snow ended D. A. 22° halo at 10h.
6	14	28.289	-20.3			W	8	8	CSi N	0	Hvy. shower of ice crystals, 22° halo and parhelia since 13:15h.
6	20	28.536	-16.3	-12.0	-23.4	N	9	10	St N	0	
7	8	28.776	-3.0	-2.6	-16.3	E	12	10	9 St N, 1 StCu N	0	
7	14	28.824	1.3			NE	24	10	CSiSt N	Lt.	22° halo at 13h.
7	20	28.886	-1.8	3.3	-4.7	E	20	10	ASt	Vy.Lt	
8	8	28.486	9.0	10.0	-5.0	E	43	10	(St?)	Hvy.	
8	14	28.459	11.6			NE	35	10	(St?)	Hvy.	
8	20	28.448	10.8	12.0	9.0	N	34	10	St	Hvy.	
9	8	28.575	6.0	11.7	0.2	NW	11	10	St	0	Lt. snow from D. A. to 10h. Ltl fog until 13h.
9	14	28.618	5.9			N	14	10	St	0	
9	20	28.669	1.8	7.0	1.8	NW	5	10	St (NW?)	0	
10	8	28.807	1.0	1.8	-3.8	N	9	10	St	0	
10	14	28.822	2.6			E	13	10	St	0	
10	19:15	28.801	4.2	4.2	1.0	E	18	10	St	Lt.	Snowing since 19h.
11	8	28.630	6.3	8.0	4.0	E	18	10	St E	Lt.	Snow ended D. A.
11	14	28.580	3.4			E	15	10	ASt ENE	0	
11	20	28.567	-7.3	6.3	-7.3	E	2	10	ASt ENE	0	
12	8:20	28.550	-12.3	-7.0	-22.2	S	3	9	2 CSi N, 7 CSiSt N	0	Vis. 30 miles.
12	14	28.530	-12.0			NE	9	5	CSi N	0	Parhelia.
12	20	28.499	-20.0	-9.0	-20.0	S	4	Few	ASt, St	0	
13	8	28.396	-18.3	-18.3	-30.0	S	3	8	CSiSt	0	Lt. fog. 22° halo.
13	14	28.364	-5.6			E	18	10	St ENE	Lt.	Lt. snow since 9h. Lt. fog.
13	20	28.406	-6.0	-4.2	-19.0	E	14	10	St NE	0	Lt. snow. Lt. fog.
14	8	28.478	1.8	4.0	-8.5	N	9	10	St NNE	0	Vy. lt. snow.
14	14	28.453	3.9			E	11	10	St NNE	0	Snowing. Lt. fog.
14	20	28.429	3.0	5.0	1.4	NE	13	9	St N	0	Snowing.
15	8:15	28.434	1.0	3.3	-0.6	E	8	10	St	0	Lt. snow. Lt. fog.
15	14	28.458	3.4			NW	5	10	St	0	Do.
15	20	28.462	0.0	4.2	0	E	6	10	St NNW	0	Lt. snow. About 1 inch of new snow on surface today.
16	8	28.523	2.0	3.0	-4.3	NW	11	10	St NW	0	Lt. snow until 12h.
16	13:45	28.570	1.0			NW	11	4	2 ACu NW, 2 ASi NW	0	
16	20	28.585	-10.2	4.0	-11.0	N	13	9	StCu NW	0	
17	8:15	28.599	-11.8	-5.0	-19.2	E	14	4	StCu NW	0	
17	13:30	28.608	-11.9			E	19	10	StCu NW	Lt.	
17	20	28.592	-13.0		-14.8	E	20	10	St	Lt.	Mod. fog.
18	8	28.650	-16.3	-13.0	-18.5	E	9	10	St NE	0	
18	13:45	28.688	-12.3			E	5	9	St NE	0	Lt. snow from 11h to 15 h.
18	19	28.780	-28.7	-9.0	-28.7	S	6	Few	St SSW	0	Ice crystals falling.
19	8	28.922	-28.1		-41.8	S	3	10	StCu SSE	0	
19	14:25	28.932	-19.0			E	3	Few	St SE	0	
19	20:30	28.912	-29.0		-30.0	E	16	Few	St SE	Lt.	
20	8:20	28.658	-14.0	-12.6	-35.8	S	11	9	StCu NNE	0	
20	14	28.515	-15.0			SE	29	4	CSi SE	Mod.	Partial 22° halo.
20	20	28.386	-26.3	-12.0	-26.3	S	13	2	1 CSi SE, 1 St SE	0	
21	8:45	28.184	-29.8		-34.2	SW	22	10	CSiSt	Mod.	
21	14	28.210	-26.4			SW	20	10	CSiSt	Lt.	22° solar halo.
21	20	28.317	-25.8		-29.8	SW	15	8	4 CSiSt SE, 4 ASi S	0	
22	8	28.550	-18.8	-18.8	-28.2	W	19	3	CSi SE	0	Hvy. shower of ice crystals falling.
22	14	28.774	-16.0			W	16	1	1 CSi (SW?), Few ASi SW	0	Hvy. shower of ice crystals falling; 22° halo.
22	20	28.902	-24.8	-16.0	-24.8	W	15	0		0	
23	8	28.897	-26.2		-38.3	S	3	1	1 CSi (NW?), Few St W	0	22° halo at 10h.
23	14	28.879	-25.9			SE	4	10	10 CSiSt (WNW?), Few St W	0	
23	20	28.877	-21.0		-30.8	E	16	10	St SW	0	
24	8	28.774	-12.1	-12.1	-22.0	E	17	10	St NE	0	Lt. snow B. D. A. Lt. fog.
24	13:30	28.704	-5.0			E	16	10	St NE	Lt.	Lt. snow. Lt. fog until 16h.
24	19	28.640	-6.1	-5.0	-12.1	E	16	10	St NE	0	Lt. snow.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind		Cloud- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.						
1930	1801h mer. time	Inches	°F.	°F.	°F.	From	m. p. h.	0-10	From		
Oct 25	8	28.624	-5.7	-5.7	-8.5	SE	8	9	8 Ci, 1 CiSt	0	Ice crystals falling; 22° solar halo. 46° and 22° haloes at 11h.
25	14:30	28.657	-13.2			SE	7	7	1 CiCu, 6 Ci	0	Ice crystals falling; faint iridescence in CiCu.
25	20	28.671	-25.0	-6.2	-25.9	SW	13	8	StCu NW	0	
26	8	28.748	-30.0		-35.2	SW	11	0		0	Hvy. shower of ice crystals at 9 h. which continued most of day.
26	13:30	28.790	-22.0			SW	7	Few	ASt W	0	
26	20	28.817	-35.9	-22.0	-35.9	W	4	1	StCu W	0	Parhelia at 22h.
27	8:30	29.032	-32.0		-38.0	W	15	0		0	
27	14	29.200	-28.2			SW	13	0		0	
27	20:30	29.275	-35.1		-35.1	W	2	0		0	
28	8	29.074	-21.9	-21.9	-42.3	E	27	10	ASt	Mod.	
28	14:45	28.768	-11.0			E	45	10	ASt	Hvy.	
28	20:30	28.577	-7.2	-6.5	-21.9	SE	42	10	ASt	Hvy.	
29	8	28.642	-16.9	1.0	-16.9	S	20	8	Ci	Lt.	22° halo.
29	14	28.715	-16.8			S	18	2	Ci	Lt.	
29	20	28.787	-26.0		-26.0	S	20	8	Ci (WNW?)	Lt.	
30	8	28.830	-21.5		-31.9	E	5	4	2 Ci W, 2 ASt W	0	
30	14	28.806	-15.0			E	10	6	3 Ci W, 3 ASt W, Few St (0?)	0	
30	20	28.762	-24.5		-24.5	E	6	2	ASt W	0	
31	8	28.572	-10.4	-10.4	-32.9	E	22	8	Ci	0	
31	14	28.527	-7.1			SE	20	8	Ci	0	
31	20	28.522	-13.5	-6.3	-13.5	SE	13	9	CiSt (W?)	0	
Nov. 1	8	28.561	-26.9	-13.5	-31.0	S	9	1	CiSt W	0	
1	14	28.548	-20.1			S	10	5	Ci W	0	
1	20	28.581	-30.1	-18.3	-30.1	S	9	7	CiSt (NW?)	0	
2	8	28.670	-21.8	-20.0	-35.4	E	6	Few	ASt N	0	
2	14	28.728	-14.8			E	7	3	ACu NW	0	
2	20	28.768	-15.7	-14.8	-21.8	E	13	7	6 ACu N, 1 StCu N	0	Few flakes of snow at 20:10h.
3	8:15	28.838	-1.2	-1.2	-17.1	E	20	10	St	Lt.	Lt. fog.
3	14	28.865	2.1			E	24	10	2 ACu NE, 6 ASt NE, 2 St ENE	Lt.	Vy. lt. snow. Lt. fog.
3	20:30	28.875	0.3	2.8	-1.2	E	22	10	St ENE	Lt.	Do.
4	8	28.864	-3.9	0.3	-8.6	E	18	10	ASt N	Lt.	Vy. lt. snow. Lt. fog ended D. A.
4	13:30	28.841	-2.0			E	18	10	St N	Lt.	Lt. snow. Lt. fog since 11h.
4	20	28.832	-2.0	-1.2	-5.2	E	15	10	St NNE	0	Vy. lt. snow.
5	8	28.816	5.0	5.0	-2.6	S	4	10	St S	0	Do.
5	14	28.837	6.6			E	8	10	St WSW	0	Vy. lt. snow until 16h.
5	19	28.864	-2.0	11.1	-2.0	S	8	5	StCu WSW	0	Lt. fog and poor vis. at 21h.
6	8	28.912	-9.3	-2.0	-11.3	S	5	10	St SSE	0	Vy. lt. snow. Lt. fog.
6	13:30	28.905	-5.8			S	4	10	St	0	Lt. fog ended and sky clearing at 18h.
6	19:45	28.924	-18.0	-5.0	-18.0	S	5	0		0	
7	8	28.883	-16.7	-16.7	-31.8	SW	5	10	St (NW?)	0	Lt. fog from D. A. to 13:30h.
7	13:30	28.827	-16.0			W	3	10	St NW	0	Lt. deposit of rime this morning.
7	21	28.760	-18.5	-12.8	-18.5	S	8	10	St (NW?)	0	
8	8	28.710	-14.1	-14.1	-18.8	S	6	10	St S	0	Lt. fog. Lt. deposit of rime this morning on windward side of exposed objects.
8	13:45	28.714	-12.8			SW	7	10	St SW	0	Lt. fog until 18h.
8	20	28.762	-10.8	-10.4	-14.3	SW	8	10	St SW	0	
9	8	28.989	-10.7	-8.0	-15.0	W	3	10	St NNW	0	
9	14	29.034	2.0			W	2	10	St (NW?)	0	Few flakes of snow during afternoon.
9	19:45	29.060	-8.5	3.5	-11.0	W	11	9	St NW	0	
10	8:30	28.972	-8.3	-7.0	-18.4	S	12	8	StCu SSW	0	
10	14	28.938	-7.7			SE	9	1	St SSE	0	
10	21	28.838	-13.8	-4.0	-13.8	SW	16	Few	St SW	0	Hvy. shower of ice crystals at 17h; also 22° halo, parhelia, and circumzenithal arc.
11	8	28.570	-16.9	-13.8	-23.7	SW	15	0		0	Hvy. shower of ice crystals falling.
11	14	28.532	-12.0			SW	16	0		0	
11	21	28.505	-10.0	-9.0	-16.9	SW	11	Few	St SW	0	
12	8	28.383	-5.0	-3.9	-18.7	E	3	Few	StCu WSW	0	Low clouds and water sky along N horizon all morning. High clouds coming in from NW at 12:30h producing solar corona and iridescence. Sudden low overcast from NW at 14:30h.
12	15	28.287	1.9			E	7	10	St WNW	0	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.					
1930	1800h mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		
Nov. 12	19	28.262	2.1	5.0	-8.1	NE 10	10	St NE	0	Vy. lt. snow from 15:30h to 19h.
13	9	28.224	7.2	9.8	1.9	S 4	10	St N	0	Lt. snow.
13	14	28.241	7.0			S 5	10	St N	0	Do.
13	20	28.307	1.9	12.2	1.9	E 16	10	St NE	0	Do.
14	8:30	28.638	0	7.0	-0.4	E 14	Few	StCu ENE	0	
14	13	28.687	10.0			SW 4	10	StCu SSE	0	
14	21	28.736	-2.3	11.1	-2.3	SW 6	6	5 Ast SE, 1 St SW	0	
15	8	28.707	-9.0	-2.3	-13.0	S 7	Few	Ast SE	0	Sky cleared at 1h or 2h.
15	14	28.658	-4.1			SW 10	0		0	
15	20	28.582	-11.0	-2.5	-11.6	SE 7	0		0	
16	8	28.441	-10.0	-9.0	-21.2	SW 13	0		0	Ice crystals falling at 9h.
16	14	28.400	-6.5			S 11	0		0	
16	20	28.362	-10.5	-5.9	-11.0	S 15	0		0	A fine clear day.
17	8	28.443	-8.0	-5.2	-22.8	E 3	Few	Ast SE	0	Increasing cloudiness during the morning.
17	13:30	28.492	-4.9			E 11	9	9 Ast S, Few StCu NNW.	0	22° solar halo at 13h.
17	20	28.564	-2.0	-1.0	-10.0	E 19	10	St (NE?)	0	
18	8	28.638	1.1	3.0	-2.0	S 5	0		0	Ice crystals falling during morn- ing.
18	14:15	28.571	0.0			S 7	Few	St S	0	3 Ci SE at 17h.
18	20	28.521	-7.0	2.0	-7.0	SW 6	1	Few Ci ESE, 1 CiSt ESE.	0	
19	8	28.530	-4.0	-4.0	-14.0	E 7	Few	Ci SE, CiSt SE, Ast ESE.	0	Partial 22° solar halo at 10h.
19	14:20	28.538	2.3			E 9	8	5 Ci SE, 3 CiSt SE	0	
19	21	28.563	7.2	9.0	-4.0	E 4	9	8 St NE, 1 StCu NE	0	
20	8	28.774	8.2	10.9	6.0	E 17	10	St NE	0	
20	14	28.885	9.8			E 16	10	St NE	0	
20	20	28.968	4.0	9.9	4.0	E 24	10	1 StCu NE, 9 St NE	Mod.	
21	8	29.016	5.3	5.3	0.0	E 18	1	Ast ESE	Lt.	
21	14	28.985	8.1			E 16	Few	Cu E	0	
21	21	28.933	0.1	8.1	.1	S 6	Few	Ast E	0	
22	7:30	28.818	-0.2	.8	-11.2	S 7	Few	Ast ESE	0	
22	13	28.761	7.1			S 13	10	StCu SSW	0	
22	20	28.723	6.1	9.1	-0.2	S 7	10	St S	0	
23	8	28.775	.8	6.8	-4.0	SW 7	Few	Ci ESE, Ast SSE	0	
23	13:40	28.776	4.0			S 9	Few	Ci ESE, Ast S	0	
23	20	28.732	-1.8	6.0	-1.8	S 8	1	1 CiSt SE, Few Ci SE.	0	
24	11	28.575	1.0	1.0	-10.0	SW 7	Few	StCu WSW	0	
24	14	28.573	1.0			W 6	Few	StCu WSW	0	
24	20	28.565	0.5	2.3	-0.3	NE 9	10	StCu WNW	0	Lt. snow since 19h.
25	8	28.618	17.0	17.0	0.5	NW 18	10	St N	0	Lt. snow continues.
25	14	28.768	21.0			NW 27	10	Nb N	Mod.	Hvy. snow.
25	20	28.838	18.8	21.7	16.0	N 29	10	Nb N	Mod.	Snowing
26	8	28.978	18.0	19.2	17.0	N 24	10	St N	Lt.	Lt. snow.
26	13:45	28.996	20.0			N 20	10	St N	Lt.	Lt. snow. Lt. fog.
26	20:30	29.013	16.6	21.0	16.2	N 12	9	StCu NNE	0	Surface now covered with soft, loose, moist snow. Few large towering Cu in E at 19h.
27	8	29.067	15.8	16.8	11.5	N 13	2	1 Ci NW, 1 StCu NNW.	0	Snow flurries at intervals during the morning.
27	14	29.055	20.9			N 10	10	5 ACu N, 2 Ast N, 3 StCu N.	0	
27	20	29.006	14.1	22.7	14.1	E 18	10	2 Ast WNW, 8 St NE.	Lt.	Lt. snow since 15h continuing during night.
28	8	28.916	13.2	14.8	11.0	E 23	9	5 Ci NE, 4 CiSt NE	Lt.	
28	14	28.896	13.8			E 22	8	3 Ci NE, 3 Ast NE, 2 St E.	Lt.	
28	20	28.895	9.3	14.3	8.7	E 26	9	Ast NE	Lt.	
29	8	28.953	11.0	11.5	8.0	SE 13	7	3 Ci E, 4 CiSt E	0	22° solar halo.
29	14	28.941	10.5			SE 7	10	Ast E	0	
29	20:20	28.914	8.0	14.0	6.0	SE 14	9	3 CiSt E, 6 Ast ENE.	0	Partial 22° halo at 20h.
30	8	28.856	10.8	10.6	7.3	E 25	10	St E	Lt.	
30	14	28.842	16.0			SE 19	9	Ast NE	0	
30	19	28.833	15.8	17.0	10.0	SE 17	9	3 Ast NE, 6 St E	0	
Dec. 1	8	28.864	21.0	21.4	12.0	NE 11	9	StCu NE	0	
1	14	28.909	24.0			E 14	8	7 Ast NE, Few Cu ENE, 1 StCu ENE.	0	Lt. snow until 12h.
1	20	29.001	17.9	26.0	17.9	N 11	10	St NE	0	
2	8	29.073	16.8	19.7	2.8	E 6	9	2 Ast ENE, 7 ACu ENE.	0	
2	14	29.063	20.2			E 8	7	7 ACu E, Few Cu ESE.	0	

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.					
1930	180th mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		
Dec. 2	20	29.051	17.7	21.0	16.8	S 6	10	St SE	0	
3	8	29.032	11.9	18.2	10.2	SW 8	7	ASt NE	0	Lt. snow D. A. Hvy. shower of ice crystals; 22° halo, parhelia and parhelic circle.
3	14:30	28.993	12.2			SW 8	10	StCu WSW	0	
3	19	28.979	10.9	16.3	10.9	S 6	10	St WSW	0	Few large flakes of snow falling since 16h. Lt. fog B. 21h.
4	8	28.972	14.2	16.2	6.0	E 8	10	St E	0	Lt. snow and fog ended D. A. Vy. lt. formation of rime on E. side of exposed objects.
4	13:15	28.981	18.0			E 8	10	5 StCu ESE, 5 St ESE	0	Lt. snow B. 14h.
4	20	29.005	15.0	19.1	14.2	SE 9	10	St ESE	0	Snow ended 22h.
5	8:45	29.122	16.6	16.6	4.4	S 6	10	StCu SSW	0	
5	13	29.155	18.0			S 8	10	StCu SW	0	
5	20	29.208	10.8	20.0	10.8	S 8	7	StCu SW	0	
6	8	29.294	15.3	17.6	10.2	N 8	10	St WSW	0	Lt. fog.
6	13:30	29.319	17.4			W 3	10	St W	0	Lt. snow from 10h to 13h.
6	20	29.350	14.9	21.1	14.9	E 6	10	St W	0	
7	8	29.403	12.7	14.9	9.0	SE 3	Few	Ci ESE, St SSE	0	
7	14:15	29.382	13.7			S 17	0		0	
7	20	29.345	6.3	15.2	6.3	S 17	0		0	Vy. hvy. shower of ice crystals. Hazy. Partial 22° halo; sun pillar and parhelia.
8	8	29.277	7.2	7.8	0.8	S 8	Few	StCu S	0	
8	14	29.203	12.0			S 8			0	Corona and some iridescence at 15h and 17h.
8	21	29.144	3.7	13.5	3.7	E 8	Few	St SSE	0	
9	8	29.098	5.8	9.2	-0.8	S 6	10	St SSE	0	Lt. fog D. A.
9	14	29.111	11.4			S 2	1	1 ASt SSE, Few St SE	0	Lt. snow since 9h; large flakes.
9	20	29.126	7.0	14.8	5.2	SE 3	9	St SE	0	Sky clouded rapidly about 19h. Snow, large flakes B. at 21h.
10	8	29.148	15.3	15.3	7.0	E 16	10	St (E?)	0	Lt. snow and lt. fog until 14h.
10	14	29.167	17.8			E 13	10	St NE	0	
10	20	29.184	13.8	18.3	13.8	E 16	9	StCu E	0	
11	8	29.200	18.2	20.0	3.8	S 3	Few	ASt ESE	0	
11	14	29.214	21.8			SW 4	Few	ASt ESE	0	
11	20	29.224	12.1	25.1	12.1	S 4	Few	Ci SE	0	
12	8	29.268	16.1	16.1	5.4	S 3	9	1 Ci SE, 8 ASt SE	0	
12	14:20	29.258	18.0			S 5	7	2 CiCu SE, 5 ASt SE	0	
12	20	29.286	17.3	21.8	14.7	S 3	9	ACu SSE	0	
13	8	29.343	13.0	18.8	9.3	E 5	Few	ASt SE, St SE	0	Sky mostly clear at 2h.
13	14	29.352	18.2			S 4	2	StCu SE	0	
13	20	29.354	17.8	24.5	11.9	E 3	3	StCu S	0	
14	8	29.357	16.9	17.8	6.9	S 8	10	St SSW	0	Hvy. shower of ice crystals, almost like a fine snow. Lt. fog.
14	13:45	29.320	19.0			S 11	9	StCu SSW	0	Hvy. shower of ice crystals and lt. fog again from 15h to 18h.
14	20	29.296	9.7	20.7	9.7	SW 9	Few	St SSW	0	Lt. fog and snow B. 21h.
15	8	29.265	10.3	15.3	5.9	S 5	10	St	0	Formation of rime observed this morning. Lt. snow from 9h to 12:30h.
15	14	29.245	10.9			S 9	0		0	Sky cleared suddenly at 12:30h and shower of ice crystals began falling at this time.
15	20	29.266	7.8	12.0	7.8	SW 3	0		0	
16	8:30	29.375	11.2	12.9	-1.3	S 4	10	St W	0	Lt. fog.
16	14	29.395	21.3			NE 9	10	StCu WNW	0	
16	20	29.410	18.0	23.1	11.2	NE 8	2	StCu WNW	0	
17	8	29.400	23.2	27.9	16.2	E 5	9	5 StCu N, 4 St N	0	Hvy. snow flurry with some graupel from 6h to 7h; lt. snow until 8:30h.
17	13:15	29.371	37.0			E 2	10	3 ACu W, 7 ASt W	0	
17	20	29.316	24.4	37.9	23.2	W 3	10	ACu W	0	
18	8	29.221	25.0	25.0	16.2	NE 15	10	St NW	0	Lt. snow since D. A.
18	14	29.196	27.3			N 5	10	St N	0	Lt. snow.
18	20	29.213	25.5	28.1	23.9	N 7	10	St N	0	Do.
19	8	29.241	18.6	26.8	17.5	E 20	10	ASt	0	Do.
19	14	29.239	26.0			NE 16	10	St N	0	Do.
19	20	29.213	23.8	26.8	17.6	E 11	10	St NE	0	Lt. snow. Lt. fog since 17h.
20	8	29.224	25.2	26.2	21.2	NW 7	10	5 StCu NW, 5 St NW	0	Snow ended D. A.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.					
1930	180th mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		
Dec. 20	14	29.255	26.8			N 9	10	St NW	0	Mod. snow since 13:45h.
20	20	29.242	24.5	29.2	23.2	N 7	10	St NW	0	Hvy. snow; large flakes. Esti- mated snowfall 2 inches.
21	8	29.137	21.6	25.8	8.7	E 24	10	10 CiSt NW, 5 St E.	Lt.	Lt. snow. Lt. fog. Snow probably continued all night, heaviest snowfall so far this year.
21	14	29.064	24.1			SE 19	10	St E	Lt.	Mod. snow. Lt. fog.
21	20	28.954	26.0	27.0	21.0	E 20	10	St E	Lt.	Do.
22	8:30	28.790	28.7	28.7	24.1	E 17	10	St E	Lt.	Mod. snow. Lt. fog. Snow continued all last night.
22	14	28.793	32.9			NE 7	10	St		Lt. snow. Lt. fog.
22	20	28.842	31.0	37.0	28.7	E 4	10	St WSW	0	Snow and fog ended 20h.
23	8	29.223	16.5	31.4	16.0	SW 20	Few	Ci SW, ACu SW, ASt SW.	Lt.	Hvy. shower of ice crystals.
23	14	29.335	19.5			SW 15	Few	ASt SW	0	
23	20	29.331	15.0	20.3	15.0	W 6	9	CiSt W	0	
24	8	28.994	16.7	16.7	11.0	SE 9	9	2 CiSt, 7 ASt SSE	0	Partial 22° solar halo.
24	14	28.963	18.5			S 16	6	3 Ci S, 3 ASt S	0	Shower of ice crystals, parhelia at 22° and sun pillar at 18:40h.
24	19:30	28.936	14.0	25.0	14.0	SW 9	Few	ASt SW	0	St overcast at 21h
25	9	28.787	22.4	29.0	11.7	E 7	10	St E	0	
25	14	28.744	23.9			SE 6	10	St E	0	
25	20	28.726	22.8	24.8	22.0	E 13	10	St E	0	
26	9	28.822	23.0	23.0	19.3	SE 20	10	St E	0	
26	19	28.901	20.6	24.0	20.6	E 20	10	St E	Lt.	Mod. snow. Lt. fog. Layer of clear, hard ice on exposed objects.
27	8	28.847	16.5	20.8	12.8	S 7	Few	ASt SE	0	
27	14:15	28.825	20.8			E 16	3	1 ACu SE, 2 ASt SE.	0	
27	20	28.823	15.0	23.0	15.0	SE 7	2	1 ACu SE, 1 ASt SE.	0	
28	8	28.892	20.0	20.0	14.2	E 11	Few	ASt E	0	
28	14:30	28.949	21.6			E 16	Few	ASt ENE, St ENE	0	Few St. on NE horizon at 14h.
28	20	28.995	19.2	24.0	19.2	E 2	Few	ASt E	0	
29	8	29.043	23.2	24.0	13.3	E 13	Few	Ci SE, ASt E	0	
29	13:45	29.030	30.1			S 8	Few	Ci E, ASt ESE	0	
29	20	28.997	20.0	34.2	20.0	S 8	9	CiSt E	0	
30	8	29.056	21.9	21.9	13.8	E 18	Few	ASt E	0	
30	14	29.091	25.4			E 16	Few	ASt E	0	
30	20	29.077	23.2	30.0	21.9	S 11	Few	ASt E	0	
31	8	28.934	21.0	23.8	14.4	S 5	Few	ASt ESE	0	
31	14:15	28.900	29.0			S 5	Few	CiSt E	0	
31	20	28.895	20.4	29.7	19.2	E 3	8	5 CiSt ESE, 3 Ci ESE.	0	
1935										
Jan. 1	8	28.906	20.3	20.4	11.8	E 15	0		0	
1	14	28.990	27.0			E 13	Few	ASt E	0	
1	20	29.147	21.1	27.7	20.1	E 8	Few	ASt E	0	Sudden low overcast from NE at 22h.
2	8	29.506	30.3	31.1	18.3	N 13	3	1 ACu SE, 1 ASt SE, 1 StCu N.	0	Snow D. A. Fall estimated between ½ and 1 inch.
2	14	29.632	31.1			NE 11	7	Few ACu, 7 StCu NE.	0	
2	20	29.742	22.1	32.7	22.1	E 9	Few	Cu NE, StCu NE	0	
3	8	29.834	27.2	27.2	16.8	SE 13	5	3 Ci (E?) 2 CiSt (E?).	0	
3	13:30	29.756	28.0			SE 24	10	CiSt (E?)	Lt.	
3	20	29.680	24.7	29.0	24.7	SE 20	8	8 Ci E, Few ACu N.	Lt.	
4	8	29.528	25.0	26.0	21.0	SE 20	10	St E	Lt.	
4	14	29.500	27.0			E 16	10	8 ASt SE, 2 St E	0	
4	20:40	29.489	21.0	28.7	21.0	S 4	9	ASt SE	0	
5	8	29.579	24.1	24.1	15.0	S 6	Few	Ci (WNW?)	0	
5	14	29.638	26.1			S 13	Few	Ci WNW	0	
5	20	29.666	20.4	27.7	20.4	S 8	Few	CiSt WNW or W	0	
6	8	29.660	17.3	20.4	14.0	S 15	0		0	
6	14	29.639	21.2			S 14	Few	Ci W, CiCu W	0	
6	21	29.642	20.1	22.7	17.3	S 16	Few	ASt SW	0	Low StCu coming in from S or SSW at 21h.
7	8:15	29.721	21.2	22.2	17.1	S 13	10	StCu S	0	Only 1 StCu at 7h.
7	14:25	29.739	23.0			S 17	10	St S	0	
7	20	29.752	20.7	23.0	20.7	S 13	4	StCu S	0	

¹ Pressure read at 9h.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi- ness	Clouds	Drift	Remarks
			Dry	Max.	Min.					
1935	1800h mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		
Jan. 8	8	29.774	16.0	20.7	14.6	SW 15	1	StCu SSW	0	
8	14	29.704	21.0			SW 20	8	StCu SSW	0	
8	20	29.624	19.4	21.8	16.0	S 16	10	St SSW	0	Lt. snow from 18:30h to 19:30h. Lt. fog since 18:30h.
9	8	29.461	18.1	19.8	17.1	S 9	2	StCu SSW	0	Sky clear at 9h.
9	14	29.441	23.0			SW 13	Few	St SSW	0	
9	20	29.491	16.3	24.4	16.3	E 7	Few	St SE	0	Dn. fog and fog bow at 21:30h.
10	8	29.583	22.8	22.8	12.3	NE 11	9	Few Ci NW, 9 St NE	0	Deposit of rime this morning about ½ inch thick.
10	14	29.611	26.1			W 4	10	StCu N	0	
10	19:30	29.642	24.2	29.0	22.8	W 5	10	St N	0	
11	8	29.681	27.7	29.2	20.7	E 6	9	3 ACu ENE, 3 Ast ENE, 3 StCu NNE	0	
11	14	29.658	29.4			SE 13	1	Few ACu E, 1 Ast E	0	Low St overcast from E at 16h to 17h.
11	20	29.635	29.4	31.1	27.7	S 6	10	St E	0	Lt. snow since 19h.
12	8	29.620	24.1	29.9	22.3	E 13	10	St ESE	0	Snowfall last night vy. lt., only ½ inch; snow ended D. A.
12	14	29.598	26.8			S 8	10	St ESE	0	
12	19:30	29.574	21.8	26.8	21.1	S 7	7	3 ACu NE, 4 St SSW	0	St overcast at 22h which con- tinued all night.
13	8	29.503	19.1	21.8	13.9	SE 11	10	St E	0	
13	14	29.447	23.1			S 9	10	St SSE	0	
13	22	29.389	22.1	27.0	19.1	SE 13	10	St SE	0	
14	8	29.382	19.1	22.1	17.9	E 11	10	St ESE	0	
14	14	29.408	22.3			E 4	10	St ESE	0	
14	20	29.436	20.9	23.8	19.1	E 5	10	St ESE	0	
15	8	29.507	23.0	23.0	20.0	S 7	10	St WNW	0	Vy. lt., fine mist at 9h.
15	14	29.520	26.1			W 4	10	St (W?)	0	
15	20	29.493	20.6	28.1	20.6	SW 11	10	St (SW?)	0	
16	8	29.370	22.1	22.1	16.1	SW 13	10	St SW	0	
16	14	29.320	23.2			SW 10	10	St (SW?)	0	
16	19	29.311	20.8	23.6	20.8	S 7	10	St (SW?)	0	Few snow flakes falling inter- mittently all day.
17	8	29.353	21.9	21.9	18.1	S 7	10	St SSE	0	
17	14	29.349	26.2			S 3	10	5 StCu SE, 5 St SE	0	
17	20	29.345	20.8	28.4	20.8	S 5	10	5 StCu SSE, 5 St SE, Few Cu.	0	
18	8	29.347	22.2	24.0	18.5	S 4	10	1 StCu NE, 9 St NE	0	
18	14	29.337	22.9			SE 7	10	St ENE	0	
18	20	29.332	19.3		19.3	E 9	10	St ENE	0	
19	8	29.333	20.4	21.0	18.2	E 18	10	St NE	Lt.	Occasional lt. snow until 10:30h.
19	14:30	29.390	28.1			N 7	10	5 StCu N, 5 St N	0	
19	20	29.441	22.8	30.7	20.4	E 13	9	St ENE	0	
20	8	29.530	22.9	22.9	21.1	E 20	4	3 ACu ESE, 1 StCu E	Lt.	
20	14	29.583	25.3			E 15	5	StCu E	0	
20	20	29.629	22.1	25.3	22.1	E 9	8	5 St E, 3 StCu E	0	
21	8	29.765	19.1		11.8	W 7	5	ACu ESE	0	
21	15	29.840	25.0			SW 9	6	ACu	0	
21	20	29.885	23.0		18.1	W 3	Few	St W	0	
22	8	29.967	17.8	23.3	14.0	W 8	10	StCu SW	0	
22	14	29.986	24.8			NW 5	10	StCu (NW?)	0	Sky cleared during forenoon but clouded rapidly at 13h.
22	20	29.945	28.8	30.0	17.8	NW 4	10	StCu NW	0	
23	8	29.781	27.5	28.8	26.3	N 20	10	Nb N	0	Snowing.
23	14	29.640	31.2			N 13	10	St N	0	Do.
23	20	29.569	30.1	31.2	27.0	NW 13	10	St NW	0	Lt. snow, vy. moist.
24	8	29.485	31.5	31.5	27.5	NW 13	10	Nb NW	0	Lt., moist snow continued all last night. Total fall to 8h. estimated at 3 inches.
24	14	29.489	28.9			N 13	10	Nb N	0	Snow ended 17h.
24	20	29.474	26.0	32.5	25.1	N 11	10	10 CiSt, 3 StCu N	0	Clouds beginning to break at 18h., showing a CiSt over- cast above. Faint partial 22° solar halo.
25	8	29.486	26.8	28.5	23.9	E 9	9	5 ACu NNW, 4 Ast NNW	0	
25	14	29.429	25.5			E 20	10	3 ACu N, 7 Ast N	Lt.	Mod. snow since 21h. Lt. fog
25	20	29.357	24.1	27.1	23.9	E 20	10	St NE	Lt.	B.21h.
26	8:30	29.185	28.5	28.5	23.7	E 18	10	Nb (NE?)	Lt.	Mod. snow. Lt. fog. Snow mixed with graupel at 12h.

TABLE 24.—Daily meteorological observations at Little America, Feb. 16, 1929, to Feb. 17, 1930, and Feb. 9, 1934, to Feb. 3, 1935—Continued

Day	Hour	Pressure, sea level	Air temperatures			Wind	Cloudi-	Clouds	Drift	Remarks
			Dry	Max.	Min.					
1935	180th mer. time	Inches	°F.	°F.	°F.	From m. p. h.	0-10	From		
Jan. 26	14	29.184	31.1			N 20	10	Nb N-----	Lt.	Snowing in form of fine spicules perhaps mixed with some mist.
26	20	29.211	30.7	32.2	28.5	N 23	10	Nb N-----	0	Raining at 17h; raindrops vy. small, almost a mist. This is freezing on snow surface and preventing drift. Lt. fog.
27	8	29.340	31.5	31.5	29.8	N 16	10	Nb N-----	0	Snow continued all last night and E. 7h. Lt. fog ended D. A. Exposed objects covered with coating of clear ice this morning.
27	14					N 17	10	St NNE-----	0	
27	20	29.424	31.1	31.8	31.1	NE 13	10	St NE-----	0	
28	8	29.417	31.7	31.7	28.9	E 11	10	St ENE-----	0	
28	14	29.372	30.8			E 13	10	St ESE-----	0	
28	20	29.344	31.1	32.2	29.7	E 13	10	St E-----	0	Lt. snow since 14:15.
29	8	29.358	32.1	32.8	31.1	E 15	10	St NE-----	0	Vy. fine, lt., moist snow. Snow continued all last night.
29	14	29.333	31.9			NE 17	10	Nb NE-----	0	Snow ended 9h. Vy. fine snow B. again 11h.
29	20	29.288	31.0		30.3	NE 17	10	St NE-----	0	Lt. snow.
30	8	29.195	30.9		30.0	NE 15	10	St NE-----	0	Do.
30	14	29.130	30.2			NE 8	10	St NE-----	0	Do.
30	20	29.076	28.2		26.1	NE 14	10	4 StCu, 6 St-----	0	Lt. snow. Sun visible through clouds at 23h.
31	8	29.026	29.0	29.0	21.0	NE 7	10	St NNW-----		Lt. snow.
31	14	29.050	31.5			N 9	10	StCu NNE-----		Vy. lt. snow.
31	20	29.097	29.3	32.0	29.0	NW 9	10	St NW-----		Mod. snow.
Feb. 1	8	29.146	27.1	29.3	25.3	W 3	9	St NNE-----	0	Snow ended 5h.
1	13	29.144	27.1			E 6	10	St NE-----	0	Lt. snow since 10h.
1	21	29.080	25.1	30.3	25.1	E 11	10	St NE-----	0	Lt. snow.
2	8	29.000	24.8	25.1	20.1	E 8	9	St ESE-----	0	Lt. snow ended 5h.
2	15	28.943	24.1			S-----	10	7 StCu SE, 3 St SE-----	0	Lt. snow from 9:30 to 12h.
3	7	28.851	8.0			SSW 16	6	Cl-----	0	Hvy. shower of ice crystals; 22° halo.

TABLE 25.—Meteorological observations at Bolling Advance Base, Mar. 27 to Oct. 11, 1934

[180th meridian time]

Day	Hour	Station pressure	Air temperature		Wind	Cloudiness	Remarks
			Dry	Min.			
1934		Inches	°F.	°F.	From m.p.h.	0-10	
Mar. 27	9	28.82	-43	-43	NW 12	0	Horizon hazy.
27	21	28.87	-48.5	-48.5	NW 15	0	Bright moonlight.
28	9:30	28.96	-48	-54	N 5	0	
28	21	29.03	-57	-57	NE 8	0	Bright moonlight.
29	11:20	29.16	-53.5	-57.5	S 7	0	
29	21	29.22	-53	-59	SE 9	0	Bright moonlight.
30	11	29.16	-41.5	-53	S 11	1	
30	21	29.12	-46.5	-48.5	S 9	2	
31	13	29.07	-51.5	-53.5	S 10	4	Partial solar halo.
31	21	29.11	-52.5	-52.5	S 10	3	Lunar halo.
Apr. 1	12	28.98	-30	-53	SE 12	10	Sun dimly visible through clouds.
1	21	28.81	-29		SE 16		
2	12		-30.5	-32.5	NW 18	0	Lt. drift.
2	21	28.68	-40.5	-41	NW 14	10	Moon visible through thin overcast.
3	12	28.02	11	-35	E 24	10	
3	19	27.97	15	11	E 16	10	
4	7	28.05	16	3.5	NE 24	10	
4	19	28.40	7	2	NE 24	10	
5	7	28.75	-5.5	-10.5	E 11	10	
5	19	28.78	-15	-17.5	SE 13	1	
6	7	28.70	-31	-31	S 6	Few	
6	12	28.71	-35	-35	S 6	Few	Hazy.
6	19	28.77	-32	-37	SE 8	Few	Clouds on S horizon.
7	7	28.70	-22.5	-32	SE 11	10	
7	19	28.66	-15	-22.5	SE 14	10	
8	7	28.66	-10	-18.5	SE 15	10	

TABLE 25.—*Meteorological observations at Bolling Advance Base, Mar. 27 to Oct. 11, 1934—Continued*

[180th meridian time]

Day	Hour	Station pressure	Air temperature		Wind	Cloudiness	Remarks	
			Dry	Min.				
1934								
Apr.	8	Inches	°F.	°F.	From m.p.h.	0-10		
	19	28.74	-27	-27	SE 13	0		
	9	28.80	-21.5	-30.5	E 13	10		
	9	28.89	-16.5	-21.5	SE 9	5		
	10	28.92	-35.5	-35.5	E 6	1		
	10	28.88	-40	-42	S 8	1		
	11	7	28.77	-40.5	-46.5	SE 5	3	
	11	19	28.74	-44.5	-44.5	SE 8	2	
	12	7	28.70	-45.5	-46	SE 4	-----	
	12	19	28.74	-51	-51	SE 9	-----	
	13	7	28.76	-46	-52	SE 7	1	
	13	19	28.80	-56	-56	SE 5	0	
	14	7	28.82	-57.5	-58	SE 8	Few	
	14	19	28.81	-57	-57.5	S 7	0	
	15	6:45	28.76	-48.5	-58	SE 6	10	
	15	19	28.72	-52	-52	SE 10	0	
	16	7	28.65	-48.5	-54	SE 12	2	
	16	19	28.74	-50.5	-51.5	S 3	-----	
	17	7	28.77	-44.5	-51.5	SW 7	2	
	17	19	28.82	-57	-57	S 0	0	
	18	7	28.82	-61.5	-62	SE 3	2	
	18	19	28.82	-59	-61.5	S 3	0	
	19	6:45	28.82	-55.5	-60	S 1	10	
	19	19	28.92	-26.5	-55.5	E 8	10	
	20	7	28.99	-24	-26	SE 7	10	
	20	19	29.10	-32	-32.5	S 9	4	
	21	7	29.01	-31	-34	S 7	10	
	21	19	28.90	-37	-37	0	0	
	22	7:30	28.80	-46	-48.5	NW 2	7	
	22	19	28.74	-49	-50	NW 2	-----	
	23	7	28.73	-31.5	-54	E 8	10	
	23	19	28.52	-10	-31.5	SE 26	10	
	24	7	28.46	-9	-11	SE 15	10	
	24	19	28.44	-19	-19	SE 8	3	
	25	7	28.52	-20	-27	NE 4	10	
	25	19	28.66	-9.5	-20	E 11	2	
	26	7	28.68	-29	-29	S 7	5	
	26	19	28.66	-41	-41	S 5	0	
	27	7	28.57	-51.5	-51.5	S 5	6	
	27	19	28.46	-30	-51.5	SE 13	6	
	28	7	28.51	-25	-37.5	SE 8	10	
	28	19	28.68	-11	-25	NE 8	10	
	29	7	28.93	-25	-30	E 8	10	
	29	19	28.94	-18	-28	SE 15	10	
	30	7	28.84	-36.5	-36.5	S 9	2	
	30	19	28.73	-44.5	-44.5	SW 2	0	
May	1	7	28.57	-41.5	-48	W 6	0	
	1	20	28.46	-45.5	-47	S 5	0	Slightly hazy on horizon.
	2	7	28.41	-49.5	-52.5	NW 3	0	
	2	19	28.52	-47.5	-49.5	SE 4	-----	
	3	9	28.69	-51.5	-53.5	SE 8	1	Slightly hazy; ring around moon.
	3	19	29.02	-56	-56	NW 4	0	
	4	8	29.16	-58	-59	SE 3	0	
	4	20	29.20	-56	-58	SE 4	0	
	5	8	29.22	-48	-58	NW 4	1	
	5	20	29.29	-41	-49	0	1	
	6	8	29.20	-27.5	-44	SE 2	10	
	6	20	29.11	-32.5	-38	SE 7	10	
	7	8	29.01	-39.5	-46	E 9	2	
	7	20	28.88	-47	-48	SE 11	2	
	8	8	28.84	-43.5	-47	S 13	2	
	8	20	28.76	-45	-46	S 3	1	
	9	8	28.68	-50.5	-50.5	SW 8	1	
	9	20	28.60	-56	-57	NW 5	-----	
	10	8	28.61	-57.5	-58.5	NE 5	0	
	10	20	28.80	-53.5	-58.5	SE 4	0	
	11	8	28.79	-29	-55.5	SE 4	10	
	11	20	28.78	-17	-29	SE 8	10	
	12	8	28.76	-33.5	-33.5	S 6	Few	Clear except for a few clouds on horizon.
	12	20	28.45	-43	-43	SW 2	10	
	13	8	28.29	-19	-43	SE 5	10	
	13	20	28.22	-28	-33.5	SE 9	0	
	14	8	28.21	-28.5	-28.5	S 10	10	
	14	20	28.19	-36	-37.5	NW 4	4	
	15	8	28.19	-34	-36	NE 5	0	
	15	20	28.31	-46.5	-49	SE 5	0	

TABLE 25.—Meteorological observations at Bolling Advance Base, Mar. 27 to Oct. 11, 1934—Continued

[180th meridian time]

Day	Hour	Station pressure	Air temperature		Wind	Cloudiness	Remarks
			Dry	Min.			
1934		Inches	°F.	°F.	From m.p.h.	0-10	
May 16	8	28.56	-38	-46.5	NE 4	10	
16	20	28.70	-22.5	-38	E 2	10	Lt. snow.
17	8	28.89	-19.5	-22.5	E 2	10	
17	20	29.03	-19	-19.5	SE 2	10	
18	8	29.07	-43	-43	SW 2	0	
18	20	29.02	-59	-59	S 4	0	
19	8	28.84	-64	-64	SW 4	0	
19	20	28.64	-66	-66	NW 3	0	
20	8	28.64	-71	-72	0	0	
20	20	28.94	-55.5	-72.5	N 2	5	Ice crystals falling.
21	8	29.09	-36.5	-55.5	NE 10	10	
21	20	29.09	-49	-49	SE 13	Few	Clouds on horizon.
22	8	28.50	-15	-52	SE 24	10	
22	20	28.57	5	-15	NW 24	10	
23	8	29.06	-8	-9.5	E 24	6	
23	20	29.22	-9.5	-16.5	SE 13	7	
24	8	29.08	-2.5	-16	SE 22	10	
24	20	29.04	14.5	-2.5	NE 11	10	
25	8	29.00	8	5	SE 6	9	
25	20	28.94	-1	-1	N 4	10	Moon visible through clouds.
26	8	28.81	-4	-5.5	SE 3	8	
26	21	28.71	-18	-20	SE 3	8	
27	8	28.72	-7	-20	E 12	10	
27	20	28.50	-3	-7	S 12	10	
28	8	28.39	-1.5	-19	NE 2	9	
28	20	28.47	-3	-22	SE 3	0	Foggy at 24h.
29	8	28.66	-19	-23	SE 7	9	
29	20	28.76	-11.5	-22.5	SE 5	10	Clear between 15:15 and 16:15.
30	8	28.82	-1	-15.5	SE 13	10	
30	20	28.77	11	-4	SE 15	10	
31	8	28.87	6.5	-7	SE 13	10	
31	20	28.80	-5.5	-5.5	SE 7	5	
June 1	8	28.63	-10		SE 13		
1	20	28.51	5		SE 16		
2	8	28.69	5	-2	NE 17	10	
2	20	28.97	-12.5	-19	S 4	10	
3	8	28.90	10	-12.5	SE 12	4	
3	20	28.85	1		E 20	10	
4	8	28.80	12	3	SE 24	10	
4	20	29.16	4	0	SE 10	5	
5	8	29.20	2	0	SE 13	3	
5	20	29.09	-9	-9	SE 17	0	
6	8	29.00	-16	-16	SE 20	0	Drifting snow.
6	20	28.86	-23	-25	SW 8	0	
7	8	28.61	-35	-35	NW 8	Few	Clouds on E horizon.
7	20	28.55	-43.5	-45.5	NE 9	0	
8	8	28.60	-27	-43.5	SE 16	1	
8	20	28.50	-16	-29	SE 14	1	
9	8	28.47	-28	-28	SW 3	0	
9	20	28.64	-31.5	-34.5	NE 5	0	
10	8	28.82	-12	-32.5	SE 4	0	
10	20	28.67	4	-21.5	SE 16	Few	Cldy. from 15h to 19:30h.
11	8	28.68	-14.5	-25.5	SE 6	8	Snowing.
11	20	28.93	-22.5	-22.5	SW 5	5	Snow E. 15:30h.
12	8	29.00	-26.5	-26.5	SW 3	0	
12	20	28.85	-35	-36.5	SW 3	0	
13	8	28.88	-25.5	-37.5	SE 5	5	
13	20	28.62	-26.5	-28	SW 11	5	Overcast at 24h.
14	8	28.40	-23	-30	S 13	10	Snow fell during night.
14	20	28.20	2	-23	E 13	5	
15	8	28.15	-1	-3	SE 11	5	
15	20	28.04	-21	-21	NW 2	5	Overcast at 24h.
16	8	28.07	-3	-23.5	NE 7	10	Snow fell during night.
16	20	28.22	-2	-3	NE 16	10	
17	8	28.33	-9	-12	NE 11	10	
17	20	28.40	-42		NW 8		
18	8	28.37	-34		NW 8		
18	20	28.44	-44	-44	SE 3	0	
19	8	28.47	-31.5	-44	SE 16	5	
19	20	28.40	-27	-37	0	10	Snowing.
20	8	28.46	-18	-27	SE 9	1	Lt. snowfall during night.
20	20	28.44	-32	-32	S 9	Few	
21	8	28.37	-25	-35	S 10	10	
21	20	28.32	-40	-40	SW 4	5	
22	8	28.19	-47	-47	NW 3	0	

TABLE 25.—Meteorological observations at Bolling Advance Base, Mar. 27 to Oct. 11, 1934—Continued

[180th meridian time]

Day	Hour	Station pressure	Air temperature		Wind	Cloudiness	Remarks	
			Dry	Min.				
1934								
June	22	20	Inches 28.19	°F. -49	°F. -50.5	From m.p.h. NE 2	0-10 0	
	23	8	28.40	-42	-49.5	E 5	1	
	23	20	28.34	-31	-42	SW 16	3	
	24	8	28.10	-37	-37	SE 7	2	
	24	20	28.36	-38	-38	SE 5	0	Bright moonlight.
	25	8	28.68	-25.5	-42	E 7	2	
	25	20	28.81	-44	-44	E 8	1	
	26	8	28.74	-47	-47	SE 13	2	
	26	20	28.78	-38	-47	SW 5	3	
	27	8	28.90	-50	-50		0	
July	27	20	28.91	-55	-55	W 4	0	
	28	8	29.12	-57	-57.5	SW 3	0	
	28	20	29.21	-51.5	-57	NW 8		
	29	8	29.20	-42	-55	SW 5	10	Moon visible through thin overcast.
	29	20	29.22	-53	-53	NW 9	0	
	30	8	29.21	-44	-53	W 8	0	
	30	20	29.26	-46.5	-47.5	W 4	Few	Clouds on E horizon.
	1	8	29.10	-59.5	-61	NE 3	0	
	1	20	28.92	-63	-65	S 4	8	
	2	8	28.87	-51	-63	S 3	1	
	2	20	28.65	-50	-61	SW 2	0	
	3	8	28.65	-60	-60	SW 2	0	
	3	20	28.72	-56	-62	S 4	0	Ice crystals falling.
	4	8	28.80	-40	-56	SE 12	5	
	4	20	28.76	-39	-50	S 7	1	
	5	8	28.75	-36	-43	S 2	10	
	5	20	28.77	-24	-36	SW 4	0	Do.
	6	8	28.76	-55	-55	SW 5	0	
	6	20	28.80	-59.5	-59.5	SW 4	0	
	7	8	28.84	-52.5	-60.5	NW 2	0	
	7	20	28.97	-61.5	-62.5	W 3	0	
	8	8	29.10	-61	-63	SW 5	0	
	8	20	29.05	-62	-64	SE 4	0	
	9	8	28.84	-44	-62.5	SE 13	5	
	9	20	28.80	-52.5	-52.5	S 5	1	
	10	8	28.80	-52.5	-55	SW 6	Few	
	10	20	28.84	-56	-58	NW 6	1	
	11	8	28.87	-53	-56	NW 7	1	
	11	20	28.93	-58.5	-58.5	SW 3	1	
	12	8	28.85	-61	-63.5	SW 5	0	
12	20	28.75	-58	-64	SW 5	0		
13	8	28.87	-61	-64	NW 3	0		
13	20	28.93	-67.5	-68.5		0		
14	8	28.88	-65.5	-71		0		
14	20	28.73	-60.5	-65.5	SE 12	Few 1		
15	8	28.69	-67.5	-68.5	S 6	1		
15	20	28.35	-55	-67.5	SE 12	8		
16	8	28.12	-49.5	-55	S 15	4		
16	20	27.94	-47.5	-49.5	SW 7	0	Do.	
17	8	28.06	-42.5	-52.5	NW 11	0		
17	20	28.29	-48.5	-58.5	SE 8	0		
18	8	28.11	-30.5	-48.5	SW 13	10		
18	20	28.14	-39	-40	NW 19	10		
19	8	28.30	-39	-44	NW 13	0?		
19	20	28.28	-29	-39	N 16	6	Vis. good during afternoon.	
20	8	28.38	-56	-56	NW 18	0		
20	20	28.59	-65		NW 6			
21	¹ 8	28.72	-78		NW 6			
21	20	29.16	-78	² -78	NW 3	0		
22	8	29.30	-69	-78	SE 13	2		
22	20	29.19	-65	-69	SE 14	0		
23	8	29.33	-73.5	-73.5	NW 3	0		
23	20	29.56	-55	-73.5		0		
24	8	29.61	-60	-67	SE 10	10		
24	20	29.37	-46	-60	SE 24	10		
25	8	29.20	-35.5	-46	SE 18	10	Some snow fell during night.	
25	20	29.10	-32	-35.5	SE 17	10	Lt. snow. Moon visible through thin overcast.	
26	8	29.08	-28	-33	SE 17	10	Snowing.	
26	20	28.90	-13.5	-28	SE 17	10	Moon visible through thin overcast.	
27	8	28.82	-2	-13.5	SE 17	10	Snowing.	
27	20	28.88	-18	-18	S 14	10	Moon visible through thin overcast.	
28	8	28.94	-38	-38	S 11	0		
28	20	28.82	-55	-55	SW 6	0		

¹ Values taken from automatic records.² According to the thermograph records the lowest recorded temperature at Advance Base was -83° F. at 4h on July 21. Although there was no reading of the minimum thermometer at 8h on this date, the minimum thermometer reading at 20h of the same day is given as -78° F.; following the customary procedure, the recorded value of -83° has therefore been corrected to -78°. (G. G.)

TABLE 25.—Meteorological observations at Bolling Advance Base, Mar. 27 to Oct. 11, 1934—Continued

[180th meridian time]

Day	Hour	Station pressure	Air temperature		Wind	Cloudiness	Remarks	
			Dry	Min.				
1935								
July	29	8	28.72	—54	SW 6	0		
	29	20	28.56	—57	S 6	0		
	30	8	28.36	—55	SW 3	0		
	30	20	28.21	—60	SW 2	0		
	31	8	28.18	—60.5	NW 2	0		
Aug.	31	20	28.16	—52	NW 3	0		
	1	8	28.02	—47	SW 7	1		
	1	20		—35	NW 14		Few stars visible overhead. Very low pressure today	
	2	8	27.92	—33.5	SE 6	9	Clear on NE and NW horizon.	
	2	20	28.06	—15.5	E 5		Few stars visible overhead.	
	3	8	28.52	—8	SE 13	9	Clear on N horizon.	
	3	20	28.54	—31	SE 2	0		
	4	8	28.48	—32	SW 5	5		
	4	20	28.32	—46	E 4	10		
	5	8	28.58	—17	SE 11	4		
	5	20	28.72	—31	SW 7	10		
	6	8	28.64	—33	SW 8			
	6	20	28.47	—47	SW 3	0		
	7	8	28.39	—54	S 5	0		
	7	20	28.31	—49.5	NW 3	0		
	8	8	28.42	—41	NE 8	0		
	8	20	28.55	—40	N 7	3		
	9	8	28.63	—35	SE 6	10		
	9	20	28.63	—34	S 6	0		
	10	8	28.67	—31	SE 6	5		
	10	20	28.60	—34	SE 5	2		
	11	16:30	28.26	—44	SW 9	0	Ice crystals falling.	
	11	20	28.20	—48	S 7	0	Do.	
	12	12	28.19	—60.5	—60.5	S 3	2	
	12	20	28.10	—58.5	—62.5	S 3	0	
	13	12	28.08	—50	—58	SW 3	1	
	13	20	28.09	—32.5	—50.5	W 5	2	
	14	8:45	28.31	—41	—52.5	NW 10	10	
	14	20	28.52	—46	—46	SW 5	0	
	15	9	28.82	—67	—67	SW 3	0	
	15	20	28.68	—59	—67	SE 6		Horizon hazy.
	16	10:30	28.34	—27	—59	SE 18	10	
	16	20	28.02	—27		SE 15	10	
	17	8	28.05	—25	—31	W 8	10	
	17	20	28.18	—33	—37	NW 8		
	18	10:30	28.34	—46	—51	NW 10	3	Vis. good.
	18	20	28.40	—52	—56	NE 8	0	
	19	9:30	28.38	—24	—52	NE 10	10	
	19	20	28.13	—51.5	—51.5	SE 8	0?	Ice crystals falling.
	20	13	28.00	—72	—72	NW 5	0	
20	20	28.00	—70	—72	NW 4	0		
21	10	28.18	—75	—77	NE 3	3		
21	20	28.28	—66.5	—75	NE 7		Horizon hazy.	
22	11	28.46	—51.5	—66.5	E 7	3		
22	20	28.50	—59	—59	E 4	0		
23	9:45	28.38	—56	—70	W 2	8		
23	20	28.30	—70	—70	NW 3	Few	Few clouds in N.	
24	10	28.32	—73	—75.5		1	Clouds extremely thin.	
24	20	28.42	—75	—76	SE 7	0		
25	10	28.35	—49	—76.5	SW 7			
25	20	28.21	—68	—68	SE 8			
26	10	28.03	—57	—66.5	S 12	5	Drifting snow.	
26	20	27.82	—59	—67	W 5	0		
27	10	27.52	—69	—71	S 5	2	Clouds on horizon.	
27	20	27.84	—62.5	—71.5	E 6	0		
28	10	28.51	—18	—61	NE 6	10		
28	20	28.74	—29.5	—31.5	NW 3	5		
29	10	28.86	—44.5	—50	N 5	2		
29	20	28.80	—53	—54	NE 3	Few	Ice crystals falling.	
30	10:40	28.72	—66	—67	NE 2	1		
30	20	28.68	—68	—71	S 3	0		
31	10:45	28.51	—72	—77	S 6	2		
31	21:30	28.37	—67	—72	NE 6	2	Hazy.	
Sept.	1	10:10	28.28	—45	W 5	10		
	1	20	28.16	—49	SW 3	2		
	2	10	28.04	—40	E 6	10		
	2	20	28.02	—39	S 12	4		
	3	10:30	27.74	—45	SE 5	1		
	3	20:45	27.60	—53	SW 2	0		
	4	10:30	27.70	—48	N 8	0		

TABLE 25.—*Meteorological observations at Bolling Advance Base, Mar. 27 to Oct. 11, 1934—Continued*
 [180th meridian time]

Day	Hour	Station pressure	Air temperature		Wind	Cloudiness	Remarks
			Dry	Min.			
1934		Inches	°F.	°F.	From m.p.h.	0-10	
Sept. 4	20	27.92	-11	-48	NW 17	10	Few stars visible overhead through clouds.
5	10:30	28.31	-13	-14	NE 3	10	
5	20	28.40	-21	-25	SW 7	Few	Clouds on horizon.
6	10:35	28.54	-27	-29	NW 7	10	
6	20	28.53	-48	-48	W 3	0	
7	10:35	28.54	-60	-60	SW 5	0	
7	20	28.48	-65	-65	NW 3	0	
8	10:30	28.37	-57.5	-70.5	NW 10	9	
8	20	28.48	-67	-67	NW 5	0	
9	10:30	28.50	-66	-72.5	SE 9	9	
9	20	28.29	-49	-66	S 16	8	
10	10:30	28.50	-54.5	-56	W 7	2	
10	20:30	28.73	-59	-59	NW 6	0	
11	10:30	28.88	-55	-59	SE 8	0	
11	20	28.86	-55	-56	SE 10	0	
12	10:30	28.81	-61	-65	S 5	0	
12	20	28.75	-65	-67	S 0	0	
13	10:30	28.44	-64	-69	S 3	0	
13	20	28.26	-70	-70	S 4	0	
14	10:30	28.12	-66	-71	S 3	0	Vis. excellent; mirage observed.
14	21	28.24	-69	-69	SE 3	0	
15	10:30	28.52	-53	-69.5	E 3	10	Clouds thin.
15	20	28.72	-44	-53	SE 6	Few	
16	10:30	28.89	-50	-57	SE 6	0	
16	20	28.74	-64	-64	S 6	0	
17	8	28.27	-62	-68	W 7	Few	Vis. good.
17	20	28.24	-58	-62	NW 15	8	
18	10:45	28.44	-50	-58	NE 5	0	
18	20:45	28.44	-43	-50	NE 7	10	
19	10:30	28.46	-26	-43	NE 6	10	
19	20	28.46	-23	-26	NE 8	10	
20	10:30	28.48	-34	-36	E 17	10	
20	20	28.53	-31	-34	E 23	10	
21	10:30	28.80	-16	-32	E 17	10	
21	20	29.02	-30	-30	SE 4	5	
22	10:30	29.24	-30.5	-34.5	SW 4	1	
22	20	29.02	-28	-41	NW 10	10	
23	10:30	28.58	-23	-28	N 5	6	
23	20	28.30	-6	-23	NW 6	10	Vy. lt. snow at 14h.
24	8	28.32	-18	-23	SW 5	10	
24	20	28.56	-33	-33	N 5	8	
25	10:30	28.54	-21	-37.5	SW 6	10	Lt. snow; ½ inch snow fell during night.
25	20	28.49	-23	-23	S 7	18	
26	10:30	28.34	-34.5	-46	SW 3	2	
26	20	28.48	-47	-47	W 5	0	
27	8	28.51	-32	-49	NW 5	0	
27	20	28.54	-27	-36	NW 22	0	Horizon hazy.
28	10:30	28.49	-31	-35	NW 20	10	
28	20	28.64	-33	-33	W 7	1	
29	10:30	28.66	-35	-39	NW 8	2	
29	20	28.70	-52	-52	E 3	0	
30	10:30	28.55	-10	-52	N 13	10	
30	20	28.40	-35	-35	NW 20	0	
Oct. 1	8	28.68	-38	-38	SW 8	2	
1	20	28.76	-49	-49	SW 6	0	
2	8	28.75	-40	-50	SE 7	5	
2	21	28.74	-24	-40	SE 16	10	
3	10:30	28.64	-24		S 16	3	
3	20	28.50	-31	-31	S 8	2	Hazy.
4	11	28.26	-20	-31	SE 11	10	Lt. snow.
4	20	28.06	-17	-20	SE 9	10	Snowing.
5	8	27.97	-19	-20	SE 14	0	Horizon hazy.
5	20	27.68	0	-19	SE 30	10	
6	10:30	27.60	-6	-6	NW 20	10	Mod. drift.
6	20	28.05	-19	-21	NW 20	10	Do.
7	8	28.44	-4.5	-19.5	S 10	10	
7	20	28.63	-11	-11	NE 14	10	
8	10:30	28.30	5	-19	E 36		Hvy. drift; vis. 30 ft.
8	20	28.15	6	2	NE 14		
9	8	28.22	6	1	NE 10	10	
9	20	28.30	.5	.5	NE 16	10	
10	8	28.46	-1	-4	NE 9	10	
10	20		-3	-6	S 8	10	
11	8	28.42	-3	-6	SE 20	2	
11	20	28.24	-17.5	-17.5	SE 8		

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America

1. Sept. 22, 1929. Kite. Launched: 15h 09m. Clouds: 9 St SSW. Wind: SSW—7.6 m. p. s. Rel. hum.: 80%. Specific hum.: 0.1 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 1										
15h 09m-----	14	977.7	-39.4	235.0	-----	SSW	14-----	977.7	-39.4	235.0
15h 24m-----	442	920	-33.9	245.0	-1.29	SSW	250-----	946	-36.5	240.8
15h 30m-----	524	909	-33.0	246.8	-1.10	SSW	500-----	912	-33.2	246.2
							524-----	909	-33.0	246.8

14h 03m: 1 St SSW. 15h 15m: 10 St SSW.

WINDS ALOFT

Sept. 22, 1929	Altitude, m-----	Surface.	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	9,630
9h 05m-----	Direction-----	SW	SSW	SW	WSW	WSW	W	WSW	W	WNW	WNW	WNW	WNW	WNW	W
	Velocity m. p. s.	5.4	10.8	10.2	7.1	7.4	5.0	7.1	6.2	6.4	7.4	10.0	10.6	9.2	11.6

2. Oct. 17, 1929. Kite. Landed: 14h 53m. Clouds: 10 St NE. Wind: E—6.7 m. p. s. Rel. hum.: 92%. Specific hum.: 1.0 g/kg Vy. lt. snow since 9h 22m

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 12										
13h 49m-----	738	887	-15.8	266.2	0.64	NE	738-----	887	-15.8	266.2
14h 49m-----	223	950	-12.5	264.4	-1.96	NE	500-----	916	-14.3	265.2
14h 53m-----	14	976.8	-16.6	258.2	-----	E	250-----	947	-12.7	264.5
							14-----	976.8	-16.6	258.2

Rime on all forward kite surfaces.

3. Oct. 18, 1929. Kite. Launched: 10h 31m. Clouds: 2 St ESE. Wind: E—7.2 m. p. s. Rel. hum.: 89%. Specific hum.: 0.7 g/kg

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 13										
10h 31m-----	14	978.5	-20.6	254.1	-----	E	14-----	978.5	-20.6	254.1
10h 36m-----	544	910	-15.3	264.6	-1.00	ESE	250-----	948	-18.2	258.8
10h 54m-----	748	887	-15.3	266.8	0.00	E	500-----	916	-15.8	263.6
11h 48m-----	1,901	762	-18.2	275.6	0.25	NNE	750-----	887	-15.3	266.8
							1,000-----	859	-15.9	268.5
							1,500-----	804	-17.2	272.3
							1,901-----	762	-18.2	275.6

Descent No. 14

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
12h 59m-----	1,054	853	-16.4	268.6	0.21	-----	1,054-----	853	-16.4	268.6
13h 35m-----	616	904	-15.5	265.2	-1.13	-----	1,000-----	859	-16.4	268.0
13h 50m-----	14	980.5	-22.3	252.0	-----	ESE	750-----	887	-15.8	266.1
							500-----	918	-16.8	262.6
							250-----	950	-19.6	257.2
							14-----	980.5	-22.3	252.0

Landed: 13h 50m. Clouds: 10 St E, lt. fog. Wind: ESE—6.3 m. p. s. Rel. hum.: 91%. Specific hum.: 0.6 g/kg. Vy. lt. snow. Shower of ice crystals accompanied by 22° and 46° solar haloes from 9h 45m to 10h 35m. Few St E at 10h 58m. 8 St E at 12h; base of St at about 100m. Lt. fog B. 13h 45m. 3/8 inch coating of rime on wire at 13h 15m. Vy. lt. snow at 14h 17m.

WINDS ALOFT

Oct. 18, 1929	Altitude, m-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	7,290
8h 37m-----	Direction-----	E	ESE	ESE	ESE	E	ESE	NE	NNE	NNE	N	NNE	N	N
	Velocity m. p. s.	1.8	9.3	12.4	13.7	12.2	7.5	8.0	10.2	9.3	9.1	8.7	8.6	7.0

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

4. Oct. 21, 1929. Kite. Launched: 15h 31m. Clouds: Few CiSt, Few ACu, Few St. Wind: SSE—5.8 m. p. s. Rel. hum.: 88%. Specific hum.: 1.1 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp (° A.)	Lapse rate (°/100 m)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
No. 15										
Oct. 21										
15h 31 m.-----	14	984.6	-15.0	259.0	-----	SSE	14-----	984.6	-15.0	259.0
15h 40 m.-----	300	949	-13.7	263.4	-0.45	SSE	250-----	955	-13.9	262.6
15h 51 m.-----	499	924	-14.6	264.4	.45	SSE	500-----	924	-14.6	264.4
15h 58 m.-----	1,014	862	-18.6	265.5	.78	SW	750-----	892	-16.5	265.0
16h 12m.-----	1,371	822	-18.8	269.0	.06	SW	1,000-----	864	-18.4	265.4
							1,371-----	822	-18.8	269.0

Decent No. 16

Oct. 22										
8h 40 m.-----	891	868	-21.3	262.4	0.64	-----	891-----	868	-21.3	262.4
9h 20 m.-----	96	965	-16.2	259.4	-7.32	-----	750-----	885	-20.4	261.7
9h 22 m.-----	14	977.2	-22.2	252.5	-----	SW	500-----	916	-18.6	260.8
							250-----	947	-17.1	260.0
							14-----	977.2	-22.2	252.5

Landed: Oct. 22, 9h 22m. Clouds: 7 ACu SSE. Wind: SW—5.8 m. p. s. Rel. hum.: 87%. Specific hum.: 0.7 g/kg. Kite up all night.

WINDS ALOFT

Oct. 21, 1929--	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	7,000	7,470
9h 02m.-----	Direction-----	SE	ESE	ESE	ESE	SE	SSE	WNW	W	WNW	WNW	NNW	NW	WNW	WNW
	Velocity m. p. s.---	8.1	14.9	14.8	9.0	6.6	1.6	2.1	3.0	4.9	4.3	3.9	5.7	8.0	6.4
Oct. 22, 1929--	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	2,970					
13h 14m.-----	Direction-----	SSW	S	S	SSE	SSE	S	SSE	SSE	S					
	Velocity m. p. s.---	7.1	11.6	12.4	12.4	13.4	8.3	9.0	7.8	6.5					

5. Oct. 30, 1929. Kite. Landed: 16h 30m. Clouds: 10 St NNW. Wind: ESE—5.3 m. p. s. Rel. hum. 93%. Specific hum.: 1.0 g/kg. Lt. snow

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
No. 17										
16h 08m.-----	504	914	-15.2	264.5	0.39	NNW	504-----	914	-15.2	264.5
16h 29m.-----	147	959	-13.8	262.5	-2.48	NNE	500-----	914	-15.2	264.5
16h 30m.-----	14	975.8	-17.1	257.6	-----	ESE	250-----	947	-14.2	263.0
							14-----	975.8	-17.1	257.6

Kite in clouds at 16h 03m. 13h 50m: 10 St NNW; few flakes of snow falling. Lt. snow since 16h 17m.

6. Nov. 2, 1929. Kite. Launched: 18h 16 m. Clouds: 10 St N. Wind: ESE—5.4 m. p. s. Vy. lt. snow. Rel. hum.: 89%. Specific hum.: 0.8 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
No. 18										
18h 16m.-----	14	981.2	-16.3	258.1	-----	ESE	14-----	981.2	-16.3	258.1
18h 24m.-----	289	945	-16.5	260.7	0.73	NE	250-----	950	-16.6	260.2
20h 07m.-----	1,136	843	-23.1	262.5	.78	N	500-----	918	-18.3	261.0
							750-----	888	-20.2	261.5
							1,000-----	858	-22.2	262.2
							1,136-----	843	-23.1	262.5

Kite and wire heavily laden with semihard rime. 21h 14m: 10 St N. Vy. lt. snow.

WINDS ALOFT

Nov. 2, 1929-----	Altitude, m.-----	Surface	250	500	750	891	Entered St, 891 m.			
17h 40m.-----	Direction-----	ESE	ENE	NE	N	NNW				
	Velocity m. p. s.-----	4.4	7.6	6.1	6.8	9.2				

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

7. Nov. 5, 1929. Kite. Launched: 10h 25m. Clouds: 1 Cu St, Few St SE. Wind: SE—4.9 m. p. s. Rel. hum.: 77%. Specific hum.: 1.2 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp (° C.)	Potential temp. (° A.)
No. 19										
10h 25m-----	14	984.9	-16.6	257.5	-----	SE	14-----	984.9	-16.6	257.5
10h 32m-----	575	913	-21.2	258.6	0.82	SE	250-----	955	-18.5	257.8
11h 02m-----	1,218	836	-25.0	261.2	.59	SE	500-----	923	-20.5	258.3
							750-----	892	-22.3	259.1
							1,000-----	861	-23.8	260.2
							1,218-----	836	-25.0	261.2

Descent No. 20

19h 05m-----	866	880	-24.3	258.1	0.84	SE	866-----	880	-24.3	258.1
19h 38m-----	96	974	-17.8	257.1	-4.27	-----	750-----	892	-23.4	257.9
19h 41m-----	14	983.8	-21.3	252.8	-----	SSW	500-----	923	-21.4	257.6
							250-----	954	-19.2	257.3
							14-----	983.8	-21.3	252.8

Narrow streak opened up in thin St cloud by kite wire at about 14h. Landed: 19h 41m. Clouds: 6St SE. Wind: SSW—5.8 m. p. s. Rel. hum.: 85%. Specific hum.: 0.6 g/kg. 11h 42m: Few CiSt, Few Cu SE, Few St SE. 12h 50m: 4 St SE.

WINDS ALOFT

Nov. 5, 1929----	Altitude, m-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	4,410
9h 14m-----	Direction-----	SE	ESE	ESE	ESE	SE	ESE	E	NE	N	NW	NW
	Velocity, m. p. s-----	5.4	11.4	13.1	12.3	10.9	5.8	2.7	1.8	2.1	6.2	7.8
Nov. 5, 1929----	Altitude, m-----	Surface	250	500	750	1,000	1,440	Entered St, 1,440 m.				
21h 0m-----	Direction-----	SSE	SSE	SE	SE	SE	SE					
	Velocity, m. p. s-----	4.0	6.8	7.8	9.5	12.1	6.6					

8. Nov. 7, 1929. Kite. Launched: 14h 55m. Clouds: 9 StCu NNW, Few St N. Wind: E—5.8 m. p. s. Rel. hum.: 81%. Specific hum.: 1.4 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
No. 21										
14h 55m-----	14	977.5	-16.6	258.0	-----	E	14-----	977.5	-16.6	258.0
15h 21m-----	187	956	-15.7	260.8	-0.52	N	250-----	946	-16.3	260.9
15h 57m-----	1,360	815	-24.3	263.8	.73	N	500-----	917	-18.0	261.5
							750-----	886	-19.9	262.2
							1,000-----	856	-21.7	262.9
							1,360-----	815	-24.3	263.8

Lt. snow B. 15h 30m. Kite became laden with rime while in clouds. Kites forced down to surface by weight of this rime formation. Surface wind: NE at 15h 30m; NNW at 20h 17m.

WINDS ALOFT

Nov. 7, 1929----	Altitude, m-----	Surface	250	500	750	1,000	1,500	1,770	Entered StCu, 1770 m.		
9h 24m-----	Direction-----	0	NW	NW	W	SW	WNW	N			
	Velocity, m. p. s-----	0	2.2	3.0	1.4	2.8	1.8	1.2			

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

9. Nov. 8, 1929. Kite. Launched: 15h 55m. Clouds: 9 StCu NW. Wind: NE—5.8 m. p. s. Rel. hum.: 79%. Specific hum.: 0.9 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 22										
15h 55m-----	14	982.6	-15.6	258.6	-----	NE	14-----	982.6	-15.6	258.6
16h 00m-----	213	958	-15.6	260.6	0	NNW	250-----	953	-15.8	262.7
16h 15m-----	626	907	-18.5	261.6	.70	NNW	500-----	924	-17.5	261.3
16h 26m-----	1,279	830	-24.8	262.0	.96	NW	750-----	892	-19.8	261.8
18h 39m-----	1,575	797	-27.2	262.5	.81	WNW	1,000-----	863	-22.0	261.9
							1,500-----	805	-26.5	262.3
							1,575-----	797	-27.2	262.5

Hard snow flurry and squall from N from 16h 40m to 17h 25m. Heavy low St. Kite obscured. 18h 36m: 10 St WNW. 18h 41m: Kite entering St Cu. 18h 55m: Vy. lt. snow.

WINDS ALOFT

Nov. 8, 1929-----	Altitude, m-----	Surface	250	500	750	801	Entered StCu, 801 m.
13h 50m-----	Direction-----	WNW	WNW	NW	NW	NW	
	Velocity, m. p. s-----	4.0	9.0	11.4	12.1	12.2	

10. Nov. 9, 1929. Kite. Landed: 11h 58m. Clouds: 2 Ci NNW, 3 StCu NNW, 2 Cu NNW. Wind: N—2.2 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
11h 45m--	748	892	-18.5	263.0	0.65	89	0.9	NNW	750----	892	-18.5	263.0	89	0.9
11h 50m--	335	942	-15.8	261.8	.78	89	1.1	NNW	500----	922	-16.9	262.2	84	.9
11h 58m--	14	983.2	-13.3	261.0	-----	77	1.1	N	250----	954	-15.2	261.4	81	1.0
									14-----	983.2	-13.3	261.0	77	1.1

Vy. fine lt. snow at 10h 54m. 9h 51m: 5 CiSt, 3 StCu NNW; hard snow squalls to NNE and NW.

WINDS ALOFT

Nov. 9, 1929-----	Altitude, m-----	Surface	250	500	750	1,000	1,500	1,710
9h 14m-----	Direction-----	N	NNW	NNW	NNW	NNW	NNW	NNW
	Velocity, m. p. s-----	4.0	8.0	9.9	10.9	11.0	10.4	10.8

11. Nov. 12, 1929. Kite. Launched: 10h 45m. Clouds: 9 St SE. Wind: ESE—5.4 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
10h 45m--	14	986.3	-17.8	256.1	-----	83	0.8	ESE	14-----	986.3	-17.8	256.1	83	0.8
10h 48m--	136	970	-17.8	257.4	.00	86	.9	SE	250-----	957	-18.3	258.0	88	.8
10h 49m--	371	941	-18.8	258.6	.43	88	.8	SE	500-----	925	-19.1	259.8	92	.8
11h 09m--	534	921	-19.1	260.0	.18	93	.8	ESE	750 ¹ ---	897	-20.2	260.9	96	.8
11h 19m--	738	898	-20.1	261.0	.49	95	.9	ESE						

Descent No. 25

13h 56m--	381	938	-18.8	259.2	0.13	82	0.7	E	381----	938	-18.8	259.2	87	0.8
14h 20m--	305	949	-18.7	258.2	-.43	78	.7	E	250-----	955	-18.7	257.5	79	.6
14h 24m--	167	965	-19.3	256.4	.00	82	.7	E	14-----	985.6	-19.3	254.8	84	.7
14h 27m--	14	985.6	-19.3	254.8	-----	84	.7	E						

Landed: 14h 27m. Wind: E—6.7 m. p. s. Clouds: 2 ACu ESE, 3 StCu ESE at 14h.

WINDS ALOFT

Nov. 12, 1929-----	Altitude, m-----	Surface	250	500	750	1,000	1,500	1,710	Entered StCu, 990 m.
10h 08m-----	Direction-----	ESE	SE	SE	ESE	ESE	SE	SE	
	Velocity, m. p. s-----	8.1	10.0	9.4	7.4	9.0	15.7	16.2	

¹ Extrapolated from 738 m.

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

11A. Nov. 13, 1929. Airplane take-off: 17h 24m. Clouds: 0. Wind: S—2.2 m. p. s. Rel. hum.: 74%. Specific hum.: 0.5 g/kg.

Time (180th mer.)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
No. 25A										
17h 24m-----	14	988.0	-22.2	251.6	-----	-----	14-----	988.0	-22.2	251.6
17h 31m-----	422	937	-18.3	295.5	-0.96	-----	250-----	958	-20.0	256.3
17h 35m-----	876	881	-13.1	269.5	-1.15	-----	500-----	928	-17.4	261.2
17h 49m-----	1,850	774	-19.6	272.7	.68	-----	750-----	897	-14.5	266.8
17h 52m-----	2,039	756	-19.6	274.6	.00	-----	1,000-----	869	-13.8	269.9
18h 02m-----	2,528	707	-23.6	275.5	.82	-----	1,500-----	813	-17.3	271.5
18h 14m-----	2,814	680	-25.7	276.4	.73	-----	2,000-----	760	-19.6	274.2
							2,500-----	710	-23.4	275.4
							2,814-----	680	-25.7	276.4

WINDS ALOFT

Nov. 13, 1929.	Altitude, m-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	9,900
20h 00m-----	Direction-----	E	E	ENE	NE	N	NNE	NE	NE	ENE	E	SE	E	E	E
	Velocity, m. p. s.-	4.5	5.0	2.8	3.7	3.3	4.3	2.9	4.2	5.1	4.0	1.2	1.2	10.5	9.0

12. Nov. 14, 1929. Kite. Launched: 10h 22m. Clouds: 9 StCu NNE. Wind: ESE—8.0 m. p. s. Lt. drift. Rel. hum.: 82%. Specific hum.: 0.9 g/kg.

Time (180th mer.)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)
No. 26										
10h 22m-----	14	993.4	-16.1	257.4	-----	-----	14-----	993.4	-16.1	257.4
10h 26m-----	259	961	-14.9	261.0	-0.49	-----	250-----	962	-15.0	260.8
10h 46m-----	1,136	857	-19.5	265.2	.52	-----	500-----	933	-16.2	262.0
							750-----	902	-17.4	263.3
							1,000-----	872	-18.7	264.4
							1,136-----	857	-19.5	265.2

No. 27
Descent

14h 55m-----	616	918	-15.3	264.0	-0.25	-----	616-----	918	-15.3	264.0
15h 20m-----	213	969	-14.3	261.0	-.70	-----	500-----	933	-15.0	263.0
15h 25m-----	14	995.1	-15.7	257.7	-----	-----	250-----	964	-14.4	261.3
							14-----	995.1	-15.7	257.7

Landed: 15h 25m. Clouds: 8 StCu NE. Wind: ESE—7.2 m. p. s. Rel. hum.: 80%. Specific hum.: 0.9 g/kg. Lt. drift. Kite entered St at 10h 41m. 1 inch of hard rime formed on all leading and lower lifting surface of kite while in heavy St layer.

WINDS ALOFT

Nov. 14, 1929.	Altitude, m-----	Surface	250	500	750	1,000	1,105	Entered StCu, 1,105 m.		
9h 40m-----	Direction-----	E	ENE	NE	NE	NNE	N			
	Velocity, m. p. s.-	8.5	11.4	11.1	13.5	15.9	18.0			

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

13. Nov. 16, 1929. Kite. Launched: 14h 30m. Clouds: Few Ci W. Wind: ESE—9.4 m. p. s. Lt. surface drift

Time (180th mer.)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential Temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 28														
14h 30m---	14	1008. 0	−12. 4	260. 0	-----	75	1. 1	ESE	14-----	1008. 0	−12. 4	260. 0	75	1. 1
14h 33m---	473	950	−10. 7	266. 4	−0. 37	64	1. 2	ESE	250-----	977	−11. 5	263. 3	70	1. 1
15h 19m---	718	920	−10. 6	268. 9	−. 04	54	1. 0	ESE	500-----	947	−10. 6	266. 7	60	1. 2
									718-----	920	−10. 6	268. 9	54	1. 0

WINDS ALOFT

Nov. 16, 1929.	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,010
10h 39m-----	Direction-----	E	E	ESE	ESE	ESE	E	ENE	NE	NW	WNW	W	W	W
	Velocity, m. p. s.--	8.1	13.9	9.8	5.2	4.4	2.4	1.3	1.6	3.0	6.2	14.4	30.8	52.0

13A. Nov. 17, 1929. Airplane take-off: 10h 30m. Clouds: Few Ci. Wind: SW—1.8 m. p. s. Rel. hum.: 73%. Specific hum.: 1.1 g/kg.

Time (180th mer.)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 28A										
10h 30m-----	14	1,008.0	-11.9	260.4	-----		14-----	1,008.0	-11.9	260.4
10h 37m-----	687	924	-6.4	272.7	-0.82		250-----	978	-10.0	264.9
10h 41m-----	973	891	-8.1	273.8	.59		500-----	948	-8.0	269.2
10h 45m-----	1,279	858	-5.7	279.4	-.78		750-----	917	-6.8	272.9
11h 00m-----	2,187	763	-10.7	283.5	.55		1,000-----	889	-7.9	274.2
11h 27m-----	3,074	680	-12.7	290.9	.23		1,500-----	835	-6.9	280.3
12h 00m-----	3,548	639	-15.1	293.2	.51		2,000-----	782	-9.7	282.7
							2,500-----	733	-11.3	286.1
							3,000-----	686	-12.6	290.2
							3,548-----	639	-15.1	293.2

WINDS ALOFT

Nov. 17, 1929.	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	7,830
10h 09m-----	Direction-----	Calm	SE	SE	SSE	SSE	S	SSW	SW	SW	SW	SW	WSW	WSW
	Velocity, m. p. s.--	0	4.8	7.6	6.6	7.3	5.3	4.6	6.7	7.1	17.1	21.0	24.8	27.2

13B. Nov. 23, 1929. Airplane take-off: 10h 40m. Clouds: Few. Wind: S—1.8 m. p. s. Rel. hum.: 84%. Specific hum.: 1.3 g/kg.

Time (180th mer.)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude, sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 28B										
10h 40m-----	14	1,015.1	-11.9	259.9	-----		14-----	1,015.1	-11.9	259.9
10h 42m-----	305	978	-7.3	267.3	-1.58		250-----	984	-8.1	266.4
10h 50m-----	672	933	-7.7	270.6	.11		500-----	954	-7.6	269.1
10h 57m-----	1,024	892	-9.9	271.8	.62		750-----	924	-8.2	270.9
11h 20m-----	1,825	802	-16.3	273.5	.80		1,000-----	895	-9.8	271.8
11h 43m-----	2,666	717	-19.9	278.5	.43		1,500-----	839	-13.6	272.9
12h 10m-----	3,426	648	-26.5	279.2	.87		2,000-----	785	-17.0	274.5
							2,500-----	735	-19.1	277.3
							3,000-----	688	-22.7	278.8
							3,426-----	648	-26.5	279.2

WINDS ALOFT

Nov. 23, 1929.	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,190
8h 09m-----	Direction-----	SSW	SSE	SSW	WSW	WSW	WSW	WSW	W	WSW	SW	WSW	WSW	W	W
	Velocity, m. p. s.--	2.2	3.7	2.6	3.0	4.1	5.5	7.3	7.1	7.7	6.4	13.0	18.2	16.4	13.0

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

14. Nov. 25, 1929. Kite. Launched: 15h 47m. Clouds: 1 ACu W. Wind: SW—5.8 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)

No. 29

15h 47m---	14	1009.3	-12.8	259.5	-----	82	1.2	SW	14---	1009.3	-12.8	259.5	82	1.2
15h 57m---	279	975	-16.2	258.7	1.28	90	1.0	W	250---	979	-15.7	258.8	90	1.0
15h 59m---	442	953	-14.6	262.0	-.98	77	1.0	W	500---	946	-14.4	262.9	74	1.0
16h 06m---	621	932	-13.9	263.5	-.39	60	.8	W	750---	916	-14.6	265.0	67	.9
16h 11m---	1,177	864	-17.1	266.9	.58	52	.6	W	1,000---	886	-16.0	266.1	58	.7
16h 34m---	2,003	775	-19.0	273.3	.23	50	.6	W	1,500---	830	-17.8	269.3	51	.6
									2,000---	775	-19.0	273.3	50	.6

Kite above clouds; abandoned for night. 17h 30m: 10 St SW. Lt. snow.

WINDS ALOFT

Nov. 25, 1929-----	Altitude, m-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	6,030
13h 50m-----	Direction-----	WNW	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW
	Velocity m. p. s-----	4.5	8.6	12.5	16.8	16.1	13.1	16.7	18.7	20.3	21.9	22.9	24.2	24.2

15. Nov. 26, 1929. Kite. Landed: 17h 22m. Clouds: 9 StCu SE. Wind: SSW—6.7 m. p. s. Rel. hum.: 89%. Specific hum.: 1.0 g/kg

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
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No. 30

17h 03m-----	585	924	-14.7	264.2	0.31	-----	585	924	-14.7	264.2
17h 09m-----	325	956	-13.9	262.6	0	SSE	500	934	-14.5	263.6
17h 17m-----	238	967	-13.9	261.6	-1.03	SSE	250	965	-13.9	261.7
17h 19m-----	121	981	-15.1	259.2	-.19	-----	14	995.1	-15.3	258.0
17h 22m-----	14	995.1	-15.3	258.0	-----	SSW				

Vy. lt. snow from 15h 24m to 17 h 22m.

WINDS ALOFT

Nov. 26, 1929-----	Altitude, m-----	Surface	250	500	750	1,000	1,500	2,000	2,250	Entered StCu, 2,250m.
13h 44m-----	Direction-----	SW	S	S	SSE	SE	SE	SE	SE	
	Velocity m. p. s-----	5.8	7.4	6.1	6.7	8.4	8.4	10.1	10.3	

16. Nov. 27-28, 1929. Kite. Launched 20h 31m. Clouds: 4ACu 0. Wind: ESE—6.7 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)

No. 31

Nov. 27														
20h 31m---	14	991.4	-15.1	258.5	-----	87	1.0	ESE	14-----	991.4	-15.1	285.5	87	1.0
20h 44m---	371	945	-13.2	264.1	-0.53	85	1.2	E	250-----	961	-13.9	262.0	86	1.2
22h 16m---	1,207	847	-17.8	267.8	.55	79	.9	-----	500-----	930	-13.6	264.6	84	1.2
									750-----	900	-15.2	265.7	82	1.1
									1,000---	870	-16.6	266.9	80	1.0
									1,207---	847	-17.8	267.8	79	0.9

Descent No. 32

Nov. 28														
7h 14m---	1,442	826	-19.4	268.0	0.64	90	0.9	-----	1,442---	826	-19.4	268.0	90	0.9
7h 56m---	483	937	-13.3	264.6	.82	86	1.3	-----	1,000---	874	-16.6	266.3	89	1.1
9h 20m---	289	961	-11.7	264.3	0	76	1.2	E	750---	904	-15.1	265.4	87	1.2
9h 31m---	14	996.5	-11.7	261.6	-----	82	1.3	ESE	500---	935	-13.6	264.7	86	1.2
									250---	966	-11.7	263.8	76	1.2
									14-----	996.5	-11.7	261.6	82	1.3

Landed 9h 31m. Clouds: 4 StCu ENE. Wind: ESE—5.4 m. p. s. Kite up all night. 21h 03m: 2 ACu 0, 1 StCu ENE.

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

16. Nov. 27-28, 1929. Kite. Launched 20h 31m. Clouds: 4ACu 0. Wind: ESE—6.7 m. p. s.—Continued

WINDS ALOFT

Nov. 27, 1929— 19h 16m—	Altitude, m.— Direction— Velocity m. p. s.—	Surface ESE 5.4	250 E 11.3	500 E 10.3	750 ENE 8.4	1,000 ENE 6.6	1,500 ESE 2.7	2,000 SSE 2.3	2,505 SW 0.5	Entered ACu, 2,505 m.
Nov. 28, 1929— 10h 50m—	Altitude, m.— Direction— Velocity m. p. s.—	Surface ESE 5.4	250 E 7.4	500 E 3.8	750 ENE 3.2	1,000 E 5.3	1,500 ENE 8.0	1,890 ENE 6.4		Entered ASt, 1,890 m.

SOUTH POLAR FLIGHT

17. Nov. 28-29, 1929. Take-off: Nov. 28, 15h 29m. Clouds: —. Wind: ESE—6.7 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (per-cent)	Specific (g/kg.)	Lat.	Long.					Relative (per-cent)	Specific (g/kg.)
No. 33															
Nov. 28															
15h 29m--	14	997.3	-11.1	262.1	-----	81	1.3	78°34' S	163°56' W	14----	997.3	-11.1	262.1	81	1.3
15h 31m--	152	981	-8.5	266.0	-1.88	69	1.4	-----	-----	250----	968	-8.6	266.9	65	1.3
15h 46m--	478	940	-9.1	268.6	.18	54	1.1	-----	-----	478----	940	-9.1	268.6	54	1.1
17h 02m--	524	933	-8.6	269.8	-----	44	.9	-----	-----						
18h 04m--	493	939	-7.7	270.3	-----	23	.5	-----	-----						
18h 19m--	351	954	-9.2	267.2	-----	25	.5	81°54' S	163°45' W						
18h 46m--	539	932	-9.4	269.0	-----	34	.6	-----	-----						
19h 03m--	458	942	-7.9	269.8	-----	41	.9	-----	-----						
19h 20m--	437	945	-7.9	269.5	-----	42	.9	-----	-----						
19h 26m--	458	942	-5.0	272.7	-----	36	1.0	-----	-----						
20h 13m--	524	933	-4.7	273.6	-----	26	.7	-----	-----						
20h 18m--	218	971	-3.2	272.0	-----	25	.8	84°15' S	163°45' W						
20h 32m--	1,172	861	-8.6	276.5	-----	27	.3	-----	-----						
21h 00m--	2,151	757	-17.8	276.0	-----	31	.7	-----	-----						
21h 24m--	2,764	696	-20.4	280.3	-----	31	.3	85°04' S	168°30' W						
22h 52m--	3,008	674	-23.5	279.4	-----	26	.2	-----	-----						
23h 12m--	3,023	673	-23.6	279.5	-----	27	.2	87°15' S	171°00' W						
Nov. 29															
0h 27m--	3,008	674	-25.6	277.1	-----	34	.2	-----	-----						
1h 15m ¹ --	3,151	663	-25.4	278.7	-----	34	.2	90°00' S	-----						
3h 01m--	3,166	660	-24.9	279.6	-----	39	.3	-----	-----						

No. 34

3h 26m—	3,278	649	-24.9	281.0	0.07	38	.03	86°07' S	169°12' W	3,278	649	-24.9	281.0	38	0.3
3h 48m—	3,006	673	-24.7	278.3	.62	36	.3			3,006	674	-24.6	278.2	36	.3
3h 58m—	2,462	724	-21.3	276.2	.00	36	.4			2,500	720	-21.7	276.4	36	.3
4h 12m—	2,176	752	-21.3	273.2	1.01	36	.3			2,000	774	-19.3	273.2	35	.4
4h 43m—	335	958	-2.7	273.7	-1.74	28	.9			1,500	825	-14.4	273.3	33	.5
4h 45m ² —	157	980	-5.8	268.8	—			84°54' S	166°10' W	1,000	883	-9.2	273.4	31	.7
5h 57m ³ —								84°54' S	166°10' W	750	910	-6.7	273.6	30	.7
7h 33m—	590	928	-6.4	272.4	—	26	0.6			500	938	-4.4	273.6	29	.9
7h 57m—	575	930	-8.4	270.2	—	27	0.6			250	968	-4.2	271.3	38	1.2
8h 11m—	575	930	-11.4	267.1	—	36	0.6	81°32' S	165°00' W	157	980	-5.8	268.8		

No. 35

10h 01m—	876	896	-13.1	268.4	0.64	54	0.8			876	896	-13.1	268.4	54	0.8
10h 08m—	157	980	-8.5	266.1	-1.47	54	1.1			750	910	-12.2	267.9	55	.9
10h 09m—	14	995.4	-10.6	262.7	—	65	1.1	78°34' S	163°56' W	500	939	-10.6	267.3	54	1.0
										250	967	-9.0	266.4	54	1.0
										14	995.4	-10.6	262.7	65	1.1

¹ Over South Pole.² Landed at Josephine Ford Fuel Depot.³ Took off from Josephine Ford Fuel Depot.

Landed: Nov. 29, 10h 09m. Clouds: 0. Wind: ENE—1.3 m. p. s.

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued
17. Nov. 28–29, 1929. Take-off: Nov. 28, 15h 29m. Clouds:—. Wind: ESE—6.7 m. p. s.—Continued

WINDS ALOFT

Nov. 28, 1929— 13h 30m—	Altitude, m.----- Direction----- Velocity, m. p. s.---	Surface ESE 5.4	250 ESE 8.0	500 SE 6.1	750 SE 5.8	1,000 SE 6.5	1,500 ESE 7.0	2,000 ESE 7.2	2,430 ESE 10.0	Entered StCu, 2,430 m.					
Nov. 29, 1929— 3h 52m—	Altitude, m.----- Direction----- Velocity, m. p. s.---	Surface SE 1.8	250 SE 2.6	500 SW 1.6	750 S 1.3	1,000 SSE 1.7	1,500 WNW 1.9	2,000 SE 0.6	2,500 SE 2.0	3,000 SE 2.6	4,000 ESE 13.2	5,000 SE 18.6	6,000 SE 19.0	8,000 SE 25.0	8,370 SSE 25.4

18. Nov. 30, 1929. Kite. Launched: 10h 55m. Clouds: 2Ci, Few StCu ENE. Wind: ESE—7.2 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 36														
10h 55m---	14	994. 8	— 9. 4	264. 0	-----	81	1. 5	ESE	14-----	994. 8	— 9. 4	264. 0	81	1. 5
10h 59m---	381	949	— 10. 0	267. 0	0. 16	73	1. 4	E	250-----	965	— 9. 8	265. 9	77	1. 5
11h 15m---	677	913	— 11. 7	268. 2	. 57	66	1. 1	E	500-----	934	— 10. 7	267. 4	71	1. 3
									677-----	913	— 11. 7	268. 2	66	1. 1

WINDS ALOFT

Nov. 30, 1929----- 9h 34m-----	Altitude, m.----- Direction----- Velocity m. p. s.-----	Surface ESE 8.1	250 E 11.7	500 ENE 8.3	750 ENE 6.1	1,000 ENE 5.8	1,500 ENE 3.8	2,000 ENE 5.3	2,500 NE 6.7	3,000 ENE 6.7	3,150 ENE 7.5
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EASTERN AIRPLANE FLIGHT

19. Dec. 5, 1929. Take-off 10h 50m. Clouds: Few AS. Wind: SW—1.8 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)	Lat.	Long.					Relative (percent)	Specific (g/kg.)
No. 48															
10h 50m--	14	1,007.2	-7.8	264.6	-----	86	1.8	78°34' S	163°56' W	14----	1,007.2	-7.8	264.6	86	1.8
10h 54m--	310	970	-2.2	273.2	-1.9	49	1.6	-----	-----	250----	977	-3.2	271.6	55	1.7
11h 00m--	509	946	-1.6	275.8	-.30	38	1.4	-----	-----	500----	947	-1.6	275.6	39	1.4
11h 25m--	861	905	-2.7	278.2	.31	21	.7	-----	-----	750----	916	-2.4	277.4	26	.9
11h 45m--	1,258	857	-2.9	282.2	.05	36	1.3	77°50' S	158°12' W	1,000--	856	-2.8	279.8	27	.9
12h 00m--	1,258	856	-.3	285.2	-----	22	1.0	-----	-----	1,258--	857	-2.9	282.2	36	1.3
12h 25m--	1,442	839	-2.6	284.6	-----	18	.7	77°15' S	155°04' W						
14h 05m--	1,371	847	-7.0	279.2	-----	50	.1	75°37' S	148°22' W						
16h 03m--	1,167	867	-1.7	282.7	-----	22	.9	77°10' S	152°10' W						

No. 49

17h 32m---	1,462	836	-5.2	282.0	0.22	37	1.2	78°04' S	159°53' W	1,462---	836	-5.2	282.0	37	1.2
18h 29m---	412	958	-2.9	273.4	.47	68	2.2	-----	-----	1,000---	886	-4.2	278.3	50	1.6
18h 37m---	284	974	-2.3	272.6	-1.81	44	1.4	-----	-----	750-----	916	-3.7	276.3	58	1.9
18h 42m---	14	1,007.0	-7.2	265.4	-----	76	1.7	78°34' S	163°56' W	500-----	948	-3.1	274.3	66	2.1
										250-----	977	-2.7	272.0	46	1.5
										14-----	1,007.0	-7.2	265.4	76	1.7

Landed: 18h 42m. Clouds: 7ACu, Few St. Wind: 0. 14h 10m: Turned back at 75°37' S—148°07' W.

WINDS ALOFT

Dec. 5, 1929----- 9h 08m-----	Altitude, m.----- Direction----- Velocity m. p. s.-----	Surface SW 2.7	250 SSW 6.7	500 SW 8.0	750 SW 8.5	1,000 SW 9.5	1,500 SW 12.2	2,000 SW 10.3	2,500 WSW 6.8	3,000 NNW 5.9	4,000 NNE 6.7	5,000 NNE 11.5	6,000 NNE 12.1	8,000 NNW 13.5	10,000 NNW 7.8	10,890 SSE 3.5
Dec. 5, 1929----- 21h 36m-----	Altitude, m.----- Direction----- Velocity m. p. s.-----	Surface SSW 2.7	250 WSW 5.0	500 WSW 6.5	750 WSW 6.9	1,000 WSW 7.2	1,500 W 6.2	2,000 WNW 4.4	2,500 NW 6.0	3,000 NW 7.6	4,000 N 12.1	5,000 N 16.8	5,130 N 16.8			

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

BAY OF WHALES MAPPING FLIGHT

19A. Dec. 7, 1929. Airplane. Take-off 11h 31m. Clouds: Few Ci. Wind: SW—3.6 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)					Relative (percent)	Specific (g/kg.)
No. 49A													
11h 31m-----	14	1, 002. 1	- 8. 9	264. 0	-----	85	1. 7	14-----	1, 002. 1	- 8. 9	264. 0	85	1. 7
11h 35m-----	391	956	- 7. 2	269. 4	- 0. 45	69	1. 6	250-----	973	- 7. 8	281. 0	76	1. 7
11h 44m-----	1, 258	853	- 11. 4	273. 8	. 48	88	1. 7	500-----	942	- 7. 7	278. 9	72	1. 6
11h 51m-----	1, 758	799	- 14. 0	276. 2	. 52	56	. 9	750-----	912	- 9. 0	275. 0	77	1. 6
11h 56m-----	2, 059	767	- 14. 0	279. 4	. 00	43	. 7	1, 000-----	884	- 10. 1	272. 4	83	1. 7
12h 08m-----	2, 671	708	- 18. 1	281. 4	. 67	35	. 5	1, 500-----	828	- 12. 7	271. 1	73	1. 3
								2, 000-----	773	- 14. 0	269. 9	46	. 8
								2, 500-----	724	- 17. 0	267. 3	37	. 5
								2, 671--	708	- 18. 1	281. 4	35	. 5

WINDS ALOFT

Dec. 7, 1929---	Altitude, m.-----	Sur- face	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	7,000	8,000	8,725
9h 00m-----	Direction-----	WSW	SW	SW	SW	SW	SW	WSW	W	W	W	W	W	W	W	W
	Velocity m. p. s.-	2.2	3.2	4.1	5.4	5.3	5.5	5.3	6.7	7.0	12.5	13.7	21.9	24.2	22.6	21.8

20. Dec. 10-11, 1929. Kite. Launched: Dec. 10, 21h 06 m. Clouds: 9 StCu (0?). Wind: SE—7.6 m. p. s. Lt. drift

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 50														
Dec. 10														
21h 06m--	14	1,002.6	-8.9	264.2	-----	88	1.7	SE	14-----	1,002.6	-8.9	264.2	88	1.7
21h 09m--	284	966	-10.5	265.1	0.59	88	1.6	ESE	250-----	970	-10.3	265.0	88	1.6
22h 05m--	473	944	-10.6	266.9	.05	100	1.8	ESE	473-----	944	-10.6	266.9	100	1.8

Descent No. 51

Dec. 11														
9h 07m---	1,569	822	-13.6	274.4	0.21	57	1.0	SE	1,569---	822	-13.6	274.4	57	1.0
9h 51m---	743	916	-11.9	267.9	.29	60	.9	S	1,500---	830	-13.4	273.8	57	.9
9h 59m---	268	975	-10.5	264.3	.87	65	1.1	S	1,000---	886	-12.5	269.8	60	1.0
10h 09m---	14	1,007.3	-8.3	264.2	-----	81	1.6	S	750-----	917	-11.9	267.7	60	1.0
									500-----	947	-11.2	266.0	63	1.1
									250-----	978	-10.4	264.4	65	1.1
									14-----	1,007.3	-8.3	964.2	81	1.6

Landed: Dec. 11, 10h 09m. Clouds: 4 StCu S. Wind: S—4.5 m. p. s. Dec. 10, 21h 39m: 9 StCu. Dec. 11, 9h 00m: 1 StCu SSE.

WINDS ALOFT

Dec. 10, 1929	Altitude, m.-----	Surface	250	500	750	1,000	1,440	Entered StCu 1,440m.						
15h 43m-----	Direction-----	ESE	ESE	SE	WSW	WNW	WNW							
	Velocity, m. p. s.-	2.2	9.7	4.7	1.3	2.3	3.2							
Dec. 11, 1929	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	2,790	Entered ACu, 2,790 m.			
11h 23m-----	Direction-----	SSW	S	S	S	SSE	SSE	SSW	SSW	S				
	Velocity, m. p. s.-	5.4	5.2	6.5	8.1	7.7	7.3	7.5	6.6	6.5				

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

21. Dec. 11-12, 1929. Kite. Launched: Dec. 11, 23h 08 m. Clouds: Few AS t S, 3 ACu S. Wind: SW—4.0 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 52														
Dec. 11														
23h 08m---	14	976.5	-10.8	264.0	-----	72	1.2	SW	14-----	976.5	-10.8	264.0	72	1.2
23h 14m---	80	967	-10.8	264.8	0.00	70	1.2	SW	250-----	946	-9.9	267.4	69	1.3
23h 27m---	418	926	-9.0	269.9	-.53	69	1.4	SW	500-----	916	-9.3	270.3	68	1.4
23h 30m---	881	870	-10.6	272.2	.35	67	1.3	SW	750-----	886	-10.1	272.2	67	1.3
Dec. 12														
Oh 05m---	1,452	808	-12.8	276.6	.39	45	.8	SW	1,000--	858	-11.0	273.9	60	1.1
Oh 48m---	1,884	762	-15.6	278.3	.65	34	.5	SSW	1,500--	803	-13.2	276.8	45	.8
									1,884--	762	-15.6	278.3	34	.5

Descent No. 53

9h 03m---	1,187	836	-12.1	274.6	-0.05	66	1.2	-----	1,187--	836	-12.1	274.6	66	1.2
9h 15m---	978	860	-12.2	272.4	.56	65	1.1	-----	1,000--	857	-12.2	272.7	65	1.1
9h 19m---	187	952	-7.8	269.0	0.00	-----	-----	-----	750-----	886	-10.9	271.4	70	1.3
9h 21m---	34	970.0	-7.8	267.5	-----	83	1.8	SW	500-----	915	-9.5	270.4	75	1.5
									250-----	944	-8.1	269.3	79	1.7
									34-----	970.0	-7.8	267.5	83	1.8

Landed: Dec. 12, 9h. 21m. Kite landed on barrier.

WINDS ALOFT

Dec. 11, 1929--	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	3,510	Entered ACu, 3,510 m.		
21h 51m-----	Direction-----	SW	SSW	SSW	SSW	SSW	SW	SW	SW	SSW	S			
	Velocity m. p. s.---	4.0	9.4	10.8	11.7	12.0	10.0	9.3	9.6	9.5	4.9			
Dec. 12, 1929--	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,670	
9h 00m-----	Direction-----	WSW	SW	SSW	SSW	SSW	SW	WSW	WSW	WSW	SW	SW	SW	
	Velocity, m. p. s.---	1.8	4.3	4.6	7.2	8.7	7.2	5.4	5.3	6.9	10.2	12.3	16.5	

22. Dec. 13, 1929. Kite. Launched: 13h 00m. Clouds: 9 StCu S. Wind: SE—7.2 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 54														
13h 00m---	14	1,005.6	-6.0	266.6	-----	93	2.2	SE	14-----	1,005.6	-6.0	266.6	93	2.2
13h 02m---	238	978	-7.8	266.8	0.80	93	2.0	SE	250-----	976	-7.8	267.0	94	2.1
14h 04m---	473	949	-8.0	269.0	.08	98	2.2	ESE	473-----	949	-8.0	269.0	98	2.2

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

23. Dec. 15, 1929. Kite. Launched: 10h 02m. Clouds: 9 St W. Wind: NE—6.3 m. p. s. Vy. lt. snow

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 55														
10h 02m---	14	1,006.3	−7.9	264.6	-----	87	1.8	NE	14-----	1,006.3	−7.9	264.6	87	1.8
10h 37m---	264	974	−8.4	266.5	0.20	99	1.9	N	250-----	976	−8.3	266.4	97	2.0
10h 57m---	978	887	−10.6	271.6	.31	96	1.8	-----	500-----	946	−8.9	268.2	97	2.0
									750-----	914	−9.8	270.0	96	1.9
									978-----	887	−10.6	271.6	96	1.8

Kite entered St at 10h 37m. ¼-inch deposit of rime on kite and wire. Kites forced down by diminished wind and weight of rime.

WINDS ALOFT

Dec. 15, 1929-----	Altitude, m-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	3,150
18h 10m-----	Direction-----	W	W	W	W	W	SSW	SSW	W	W	W
	Velocity m. p. s-----	1.3	4.4	4.7	6.7	8.7	11.3	11.0	10.1	13.3	14.4

24. Dec. 17, 1929. Kite. Launched: 14h 44m. Clouds: 9 ACu NE. Wind: ESE—8.0 m. p. s. Lt. drift.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)
No. 56														
14h 44m---	14	1, 002. 1	− 7. 3	265. 6	-----	90	2. 0	ESE	14-----	1, 002. 1	− 7. 3	265. 6	90	2. 0
14h 50m---	315	965	− 7. 2	268. 6	− 0. 03	76	1. 8	SE	250-----	973	− 7. 2	267. 8	78	1. 8
15h 03m---	432	951	− 7. 5	269. 5	. 26	66	1. 5	ESE	500-----	943	− 6. 9	270. 5	70	1. 7
15h 27m---	550	937	− 6. 4	271. 8	− . 93	77	2. 0	ESE	550-----	937	− 6. 4	271. 8	77	2. 0

Descent No. 57

19h 15m---	758	911	-5.9	274.6	-0.96	64	1.7	-----	758-----	911	-5.9	274.6	64	1.7
19h 30m---	371	958	-9.6	266.6	.34	97	1.9	ESE	750-----	912	-6.0	274.2	65	1.7
19h 36m---	14	1,002.7	-8.4	264.4	-----	92	1.9	ESE	500-----	943	-8.4	269.0	87	1.9
									250-----	973	-9.2	265.8	96	1.9
									14-----	1,002.7	-8.4	264.4	92	1.9

Landed: 19h 36m. Clouds: Few ACu NE, 9 St ESE. Wind: ESE—7.6 m. p. s. Lt. drift. 16h 13m: 8 ACu NE, 1St ESE.

WINDS ALOFT

Dec. 17, 1929-----	Altitude, m-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	3,690	Entered ACu, 3,690 m.		
10h 46m-----	Direction-----	SSE	ESE	ESE	ESE	ESE	SE	NNE	E	NNE	NE			
	Velocity m. p. s-----	0.9	4.8	9.7	8.8	7.1	7.3	5.9	6.7	7.1	7.3			

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

25. Dec. 19, 1929. Kite. Launched: 15h 19m. Clouds at 14h 40m: 3 CiSt, 1 StCu ENE. Wind: ESE—5.4 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)

No. 58

15h 19m---	14	1,008.6	-2.8	269.6	-----	85	2.6	ESE	14-----	1,008.6	-2.8	269.6	85	2.6
15h 28m---	606	936	-5.7	272.5	0.49	79	2.1	E	250-----	980	-3.9	270.7	75	2.2
16h 18m---	810	912	-6.9	273.2	.59	82	2.0	E	500-----	950	-5.2	271.9	71	2.0
									750-----	919	-6.6	273.1	75	1.9
									810-----	912	-6.9	273.2	82	2.0

Descent No. 59

19h 01m---	794	915	-6.5	273.4	0.43	77	2.0	SSE	794-----	915	-6.5	273.6	77	2.0
19h 31m---	126	995	-3.6	269.7	0.00	69	2.0	SE	750-----	920	-6.3	273.1	76	2.0
19h 34m---	14	1,008.2	-3.6	268.8	-----	79	2.3	ESE	500-----	951	-5.3	271.8	73	2.0
									250-----	980	-4.2	270.6	70	2.0
									14-----	1,008.2	-3.6	268.8	79	2.3

Landed: 19h 34m. Wind: ESE—5.8 m. p. s. Clouds at 19h 36m: Few Ci, ACu. At 20h 27m: Few Ci, few ACu.

WINDS ALOFT

Dec. 19, 1929--	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	6,030		
13h 47m-----	Direction-----	ESE	ESE	E	NNE	NE	NNE	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	
	Velocity, m. p. s.--	5.4	6.6	6.1	7.7	8.6	4.3	4.1	3.4	6.5	6.2	8.1	10.8	10.8		

Dec. 19, 1929--	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	10,000	11,250
21h 30m-----	Direction-----	SE	ESE	SE	SSE	SE	ESE	E	ESE	E	ENE	NE	NE	NE	NNE	NE
	Velocity m. p. s.--	5.4	11.9	8.4	7.4	5.7	5.8	5.8	7.1	5.3	4.5	7.8	9.7	10.0	10.9	7.0

26. Dec. 20, 1929. Kite. Launched: 10h 31m. Clouds: 6 ASt ENE, 3 ACu ENE. Wind: SE—6.3 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Humidity		Wind dir. (from)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Humidity	
						Relative (percent)	Specific (g/kg.)						Relative (percent)	Specific (g/kg.)

No. 60

10h 31m---	14	1,003.9	-2.7	270.0	-----	74	2.4	SE	14-----	1,003.9	-2.7	270.0	74	2.4
10h 40m---	463	949	-2.3	274.8	-0.09	55	1.9	ESE	250-----	975	-2.5	272.3	64	2.1
10h 56m---	595	933	-2.0	276.4	-.23	48	1.8	ESE	500-----	944	-2.3	275.2	54	1.8
11h 25m---	1,559	824	-6.5	281.6	.47	58	1.7	E	750-----	915	-2.7	277.1	48	1.6
12h 49m---	2,559	725	-14.2	283.5	.77	92	1.7	E	1,000---	887	-3.9	278.6	52	1.7
									1,500---	832	-6.2	281.2	57	1.7
									2,000---	780	-9.9	282.7	74	1.7
									2,500---	731	-13.7	283.9	90	1.6
									2,559---	725	-14.2	283.5	92	1.7

Descent No. 61

13h 51m---	2,268	752	-13.0	282.1	0.29	91	1.9	-----	2,268---	752	-13.0	282.1	91	1.9
14h 13m---	1,957	784	-12.1	279.8	.79	91	1.8	-----	2,000---	780	-12.3	280.1	91	1.8
19h 20m---	932	895	-4.0	277.7	.54	45	1.5	E	1,500---	832	-8.5	278.9	72	1.7
19h 39m---	524	941	-1.8	276.2	-1.00	37	1.4	E	1,000---	887	-4.6	277.9	49	1.5
19h 44m---	284	969	-4.2	271.3	0.00	52	1.5	E	750-----	915	-3.0	277.0	42	1.4
19h 45m---	14	1,000.9	-4.2	268.8	-----	73	2.0	E	500-----	944	-2.0	275.5	38	1.3
									250-----	973	-4.2	270.9	56	1.6
									14-----	1,000.9	-4.2	268.8	73	2.0

Landed: 19h 45 m. Clouds: 9 ASt E. Wind: E—6.7 m. p. s. Lt. drift. 11h 40m: 9 ASt E. Kite entered ASt at about 2,000 m.

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

26. Dec. 20, 1929. Kite. Launched: 10h 31m. Clouds: 6 ASst ENE, 3ACu ENE. Wind: SE-6.3 m. p. s.—Continued

WINDS ALOFT

Dec. 20, 1929--- 9h 32m-----	Altitude, m.----- Direction----- Velocity, m. p. s.---	Surface SE 6.3	250 ESE 13.7	500 ESE 6.0	750 SE 5.9	1,000 ESE 7.0	1,500 E 7.5	2,000 ENE 10.7	2,250 ENE 11.4	Entered ACu, 2,250 m.		
Dec. 20, 1929--- 20h 47m-----	Altitude, m.----- Direction----- Velocity, m. p. s.---	Surface E 6.3	250 ESE 14.6	500 E 14.5	750 E 9.5	1,000 E 3.6	1,500 SE 4.2	2,000 ESE 14.8	2,500 ESE 14.9	3,000 E 15.4	3,510 ESE 12.2	Entered AS _t , 3,510 m.

27. Sept. 1, 1934. Airplane. Take-off 13h 05m. Clouds: 10ASst. Wind: S-5.4 m. p. s. Rel. hum.: 80%. Specific hum.: 0.1 g/kg

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 2									
13h 05m-----	14	967.4	-39.0	236.3	-----	14-----	967.4	-39.0	236.3
13h 07m-----	254	934	-26.5	251.3	-5.21	250-----	934	-27.0	250.8
13h 18m-----	1,034	836	-22.0	264.4	-5.77	500-----	904	-25.2	255.1
13h 23m-----	1,309	805	-18.8	270.6	-1.16	750-----	871	-23.7	259.5
13h 43m-----	1,850	748	-22.3	272.6	.65	1,000-----	840	-22.2	263.7
						1,500-----	784	-20.1	271.2
						1,850-----	748	-22.3	272.6

WINDS ALOFT

Sept. 1, 1934-- 10h 18m-----	Altitude, m.----- Direction----- Velocity, m. p. s.---	Surface SW 3.1	250 S 9.4	500 S 10.4	750 SSE 10.4	1,000 SSE 10.3	1,500 SE 7.0	2,000 ESE 5.4	2,500 NNE 9.0	3,000 NNE 12.3	3,510 NNE 12.6	Entered ASst, 3,510 m.
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28. Sept. 3, 1934. Airplane. Take-off 9h 22m. Clouds: Few StCu. Wind: S-3.1 m. p. s. Rel. hum.: 78%. Specific hum.: 0.2 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
						Lat.	Long.				
No. 3											
9h 22m-----	14	947. 2	— 38. 3	238. 2	-----	78°34'S	163°56'W	14-----	947. 2	— 38. 3	238. 2
9h 26m-----	240	917	— 22. 5	256. 8	— 6. 99	-----	-----	250-----	916	— 22. 5	256. 9
9h 31m-----	468	889	— 20. 5	261. 1	— . 88	-----	-----	500-----	887	— 20. 7	261. 1
9h 59m-----	1, 952	725	— 26. 3	270. 6	. 39	-----	-----	750-----	856	— 21. 8	262. 8
10h 30m-----	2, 748	650	— 29. 9	275. 2	. 45	-----	-----	1, 000--	826	— 22. 8	264. 4
								1, 500--	773	— 24. 6	267. 5
								2, 000--	721	— 26. 4	270. 9
								2, 500--	673	— 28. 8	273. 7
								2, 748--	650	— 29. 9	275. 2

NOTE BY PILOT.—As far as could be seen, some 20 to 30 miles, the Ross Sea was frozen over. There were many cracks from which seasmoke poured. At the entrance of the Bay of Whales was a very large crack which extended from West Cape nearly to East Cape.

WINDS ALOFT

Sept. 3, 1934-- 9h 48m-----	Altitude, m.----- Direction----- Velocity, m. p. s.---	Surface SSE 3.6	250 SE 8.2	500 E 9.3	750 E 10.8	1,000 ENE 20.5	1,350 ENE 20.0	
Sept. 3, 1934-- 10h 22m-----	Altitude, m.----- Direction----- Velocity, m. p. s.---	Surface S 2.2	250 E 9.2	500 ENE 16.1	750 ENE 18.3	1,000 ENE 19.7	1,500 ENE 14.5	1,710 ENE 12.5

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

29. Sept. 4, 1934. Airplane. Take-off 9h 21m. Clouds: 9 St. Wind: N—0.9 m. p. s. Rel. hum.: 77%. Specific hum.: 0.1 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 4									
9h 21m-----	14	952.8	-39.7	236.2	-----	14-----	952.8	-39.7	236.2
9h 28m-----	351	910	-29.9	249.9	-2.91	250-----	923	-33.0	245.5
						351-----	910	-29.9	249.9

Flight discontinued because of low ceiling and poor visibility.

30. Sept. 6, 1934. Airplane. Take-off 12h 25m. Clouds: 5 ASt. Wind: W—1.8 m. p. s. Rel. hum.: 82%. Specific hum.: 0.2 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 5									
12h 25m-----	14	980.6	-37.4	237.0	-----	14-----	980.6	-37.4	237.0
12h 30m-----	198	956	-28.6	247.8	-4.77	250-----	950	-28.4	248.2
12h 34m-----	361	932	-28.0	250.0	-.37	500-----	915	-26.3	253.2
12h 38m-----	565	907	-25.4	254.6	-1.27	750-----	884	-26.1	255.9
12h 43m-----	1,320	815	-28.0	259.8	.34	1,000-----	854	-26.9	257.5
12h 54m-----	1,508	792	-27.8	262.2	.11	1,500-----	793	-27.8	260.1
13h 02m-----	1,738	768	-29.1	263.1	.56	2,000-----	740	-29.8	265.2
13h 10m-----	2,049	735	-29.9	265.5	.26	2,166-----	722	-28.9	268.2
13h 13m-----	2,166	722	-28.9	268.2	-.85				

WINDS ALOFT

Sept. 6, 1934	Altitude, m.	Surface	250	500	750	1,000	1,500	2,000	2,500	2,610
13h 02m-----	Direction-----	WNW	SW	SW	SW	SW	WSW	W	WNW	WNW
	Velocity, m. p. s.-----	2.2	5.5	10.9	14.6	15.9	11.5	8.8	7.9	7.5

31. Sept. 7, 1934. Airplane. Take-off 9h 47m. Clouds: 0. Wind: W—3.1 m. p. s. Rel. hum.: 76%. Specific hum.: 0.1 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 6									
9h 47m-----	14	978.7	-45.2	229.2	-----	14-----	978.7	-45.2	229.2
9h 54m-----	463	917	-31.0	247.9	-3.16	250-----	946	-38.0	238.6
9h 57m-----	555	903	-25.8	254.4	-5.66	500-----	910	-28.8	250.8
10h 00m-----	748	879	-24.6	257.8	-.62	750-----	879	-24.6	257.8
10h 10m-----	1,126	836	-26.7	259.4	.56	1,000-----	850	-26.0	259.0
10h 14m-----	1,320	812	-25.6	262.7	-.57	1,500-----	793	-26.9	263.1
10h 25m-----	2,018	737	-30.5	264.8	.70	2,000-----	739	-30.4	264.8
10h 31m-----	2,329	705	-30.7	267.9	.06	2,500-----	689	-30.6	270.0
10h 36m-----	2,472	692	-30.4	269.8	-.21	2,656-----	673	-30.7	271.8
10h 42m-----	2,544	683	-30.7	270.5	.42				
10h 47m-----	2,656	673	-30.7	271.8	0.00				

WINDS ALOFT

Sept. 7, 1934	Altitude, m.	Surface	250	500	750	1,000	1,500	1,890
10h 06m-----	Direction-----	W	SW	SSW	SSW	SSW	SW	SW
	Velocity, m. p. s.-----	2.7	3.1	15.4	22.4	19.8	17.6	10.8

Sept. 7, 1934	Altitude, m.	Surface	250	500	750	1,000	1,500	1,890
10h 40m-----	Direction-----	SW	SW	SSW	SSW	SSW	SW	SW
	Velocity, m. p. s.-----	4.5	9.1	15.7	21.2	18.2	15.7	12.3

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

32. Sept. 10, 1934. Airplane. Take-off 15h 15m. Clouds: 5 ASst. Wind: SW—3.1 m. p. s. Rel. hum.: 77%. Specific hum.: 0.1 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 7									
15h 15m.....	14	982.1	-45.6	228.6	-----	14.....	982.1	-45.6	228.6
15h 21m.....	391	931	-31.4	246.6	-3.77	250.....	951	-36.8	239.7
15h 29m.....	866	869	-30.4	252.7	-.21	500.....	916	-31.2	248.0
15h 36m.....	1,151	835	-26.9	259.2	-1.23	750.....	884	-30.6	251.1
15h 44m.....	1,468	798	-26.5	263.0	-.13	1,000.....	853	-28.8	255.6
15h 51m.....	1,886	752	-28.4	265.3	.45	1,500.....	794	-26.7	263.2
15h 59m.....	2,197	721	-28.0	269.2	-.13	2,000.....	741	-28.3	266.9
16h 20m.....	2,513	690	-30.0	270.4	.63	2,500.....	691	-29.9	270.3
						2,513.....	690	-30.0	270.4

WINDS ALOFT

Sept. 10, 1934.....	Altitude, m.....	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,050
12h 58m.....	Direction.....	SW	SW	SW	WSW	W	WNW	WNW	NW	WNW	W
	Velocity, m. p. s.....	4.5	7.5	7.2	7.2	6.2	5.5	7.1	5.1	5.6	4.2

33. Sept. 11, 1934. Airplane. Take-off 14h 10m. Clouds: 3 CiSt. Wind: SE—2.7 m. p. s. Rel. hum.: 77%. Specific hum.: 0.1 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 8									
14h 16m.....	14	985.7	-44.2	229.7	-----	14.....	985.7	-44.2	229.7
14h 20m.....	208	957	-32.9	243.0	-5.82	250.....	952	-32.4	243.8
14h 22m.....	386	933	-29.9	247.8	-1.68	500.....	920	-29.4	249.5
14h 36m.....	1,146	839	-25.6	260.3	-.57	750.....	888	-27.9	253.6
14h 44m.....	1,442	805	-25.1	263.6	-.17	1,000.....	857	-26.4	257.8
14h 59m.....	2,181	727	-27.2	269.5	.28	1,500.....	799	-25.3	264.2
						2,000.....	745	-26.7	268.1
						2,181.....	727	-27.2	269.5

WINDS ALOFT

Sept. 11, 1934..	Altitude, m.....	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,670
13h 02m.....	Direction.....	SE	ESE	ESE	ESE	E	WSW	NNW	NNW	WSW	W	WNW	W
	Velocity, m. p. s..	1.3	10.2	8.4	5.5	4.0	1.6	1.3	2.1	3.0	7.7	8.8	10.7

34. Sept. 12, 1934. Airplane. Take-off 9h 44m. Clouds: 8 Ci NW. Wind: S—5.8 m. p. s. Rel. hum.: 76%. Specific hum.: 0.1 g/kg

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 9									
9h 44m.....	14	984.1	-46.9	227.1	-----	14.....	984.1	-46.9	227.1
9h 48m.....	381	934	-27.9	250.0	-5.18	250.....	953	-34.9	241.4
9h 57m.....	932	866	-22.4	261.3	-1.00	500.....	920	-26.8	252.2
10h 05m.....	1,371	814	-22.5	265.6	.02	750.....	888	-24.2	257.4
10h 19m.....	2,278	719	-26.5	271.1	.44	1,000.....	858	-22.4	261.8
10h 24m.....	2,564	691	-29.3	271.0	.98	1,500.....	801	-23.0	266.4
10h 34m.....	2,799	670	-28.6	274.4	-.30	2,000.....	747	-25.3	269.4
10h 41m.....	2,962	654	-30.4	274.0	1.10	2,500.....	697	-28.7	271.0
10h 46m.....	3,023	649	-30.4	274.6	0.00	3,000.....	651	-30.4	274.5
						3,023.....	649	-30.4	274.6

WINDS ALOFT

Sept. 12, 1934..	Altitude, m.....	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,370
10h 15m.....	Direction.....	SW	SE	SE	SSE	SSE	SE	SE	SE	WNW	NW	WNW	NW	NW	NW
	Velocity, m. p. s..	3.1	4.5	5.7	4.8	5.5	3.5	2.7	3.6	0.3	8.2	9.2	10.1	10.9	11.0

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

35. Sept. 16, 1934. Airplane. Take-off 13h 40m. Clouds: 2 Ci. Wind: SE—1.8 m. p. s. Rel. hum.: 79%. Specific hum.: 0.1 g/kg

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 10									
13h 40m	14	986.5	-40.6	233.3		14	986.5	-40.6	233.3
13h 43m	289	949	-25.2	251.6	-5.60	250	954	-27.4	249.0
14h 02m	1,034	855	-28.4	255.9	.43	500	922	-26.1	252.8
14h 05m	1,218	833	-28.2	258.4	-.11	750	889	-27.2	254.2
14h 18m	2,105	736	-32.9	262.5	.53	1,000	800	-28.3	255.6
14h 21m	2,207	725	-33.9	262.4	.98	1,500	801	-29.6	259.4
14h 25m	2,268	718	-33.9	263.0	0.00	2,000	746	-32.3	261.9
14h 32m	2,574	688	-35.8	264.3	.62	2,500	695	-35.3	263.9
14h 44m	2,778	668	-36.3	265.9	.25	2,778	668	-36.3	265.9

15h 20m: Clouds 0.

WINDS ALOFT

Sept. 16, 1934	Altitude, m.	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	10,000	11,610
10h 05m	Direction	E	E	E	ENE	ENE	NNE	NW	WNW	NNW	NW	NW	N	E	NNE	NNE
	Velocity, m. p. s.	6.7	8.7	5.0	3.8	2.6	2.5	1.9	2.9	2.1	4.1	1.6	3.9	1.5	4.0	9.6

36. Sept. 17, 1934. Airplane. Take-off 12h 03m. Clouds: 0. Wind: SW—3.6 m. p. s. Rel. hum.: 75%. Specific hum.: 0.2 g/kg

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 11									
12h 03m	14	968.8	-48.9	226.1		14	968.8	-48.9	226.1
12h 08m	315	928	-29.8	248.6	-6.34	250	936	-33.6	244.0
12h 14m	606	889	-25.6	255.9	-1.44	500	903	-27.1	253.2
12h 20m	983	842	-26.0	259.4	.11	750	871	-25.7	257.3
12h 26m	1,248	812	-27.8	260.3	.68	1,000	840	-26.2	259.5
12h 31m	1,513	784	-27.0	263.8	-.30	1,500	783	-27.0	263.9
12h 42m	2,069	723	-30.2	266.5	.58	2,000	730	-29.8	266.3
12h 48m	2,263	704	-32.1	266.3	.96	2,500	680	-32.9	268.4
12h 49m	2,299	701	-31.8	267.0	-.83	2,686	663	-34.5	268.2
13h 02m	2,523	678	-33.0	268.4	.54				
13h 14m	2,686	663	-34.5	268.2	.92				

WINDS ALOFT

Sept. 17, 1934	Altitude, m.	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	10,000	13,950
12h 53m	Direction	SW	SW	SW	WSW	SW	WSW	SSW	ENE	NE	ESE	E	NE	N	N	ENE
	Velocity, m. p. s.	4.0	5.7	6.9	6.0	4.4	2.1	0.9	1.4	1.0	2.1	3.6	2.1	4.7	7.6	17.0

COSMIC RAY FLIGHT

37. Nov. 15, 1934. Airplane. Take-off 5h 49m. Clouds: Few Ast SE. Wind: SW—3.1 m. p. s. Rel. hum.: 81%. Specific hum.: 0.5 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 37									
5h 49m	18	971.1	-23.9	251.2		18	971.1	-23.9	251.2
5h 53m	378	925	-18.5	260.4	-1.50	250	941	-20.4	257.1
6h 01m	1,018	850	-17.0	268.3	-.23	500	911	-18.2	261.9
6h 06m	1,303	816	-18.0	270.3	.35	750	879	-17.6	265.1
6h 08m	1,426	804	-17.8	271.7	-.16	1,000	852	-17.2	267.8
6h 15m	1,752	769	-18.3	274.6	.15	1,500	796	-17.9	272.4
6h 18m	1,864	760	-18.2	276.0	-.09	2,000	746	-18.3	277.2
6h 24m	2,058	737	-18.3	277.8	.05	2,500	695	-20.4	280.4
6h 37m	2,415	703	-19.8	280.2	.42	3,000	649	-23.8	282.2
6h 59m	3,058	644	-24.2	282.4	.68	3,425	612	-26.5	284.0
7h 08m	3,206	630	-24.9	283.3	.47				
7h 23m	3,323	620	-25.9	283.5	.86				
7h 53m	3,425	612	-26.5	284.0	.59				

Altitude of 3,400 m. maintained until about 9h 30m.

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

COSMIC RAY FLIGHT—Continued

37. Nov. 15, 1934. Airplane. Take-off 5h49m. Clouds: Few Ast SE. Wind: SW—3.1 m. p. s. Rel. hum.: 81%—Continued

WINDS ALOFT

Nov. 15, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	3,330
3h 15m	Direction	SW	SSW	SW	SSW	SSE	SE	SE	SE	SE	SSE
	Velocity, m. p. s.	3.3	4.3	2.0	2.6	2.7	7.0	12.9	11.6	15.9	16.2
Nov. 15, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	2,790	
7h 58m	Direction	S	SSE	SE	SSE	SSE	SSE	SE	SE	SSE	
	Velocity, m. p. s.	2.9	2.8	5.0	7.7	8.8	9.7	11.6	11.6	13.5	

AIRPLANE FLIGHT TO THE EAST AND SOUTHEAST

38. Nov. 15, 1934. Take-off 10h 58m. Clouds: 0. Winds: S—3.6 m. p. s. Rel. hum.: 85%. Specific hum.: 0.8 g./kg. Vis. excellent

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
						Lat.	Long.				
No. 38											
10h 58m-----	18	969. 0	—19. 4	255. 9	-----	78°34' S	163°56' W	18-----	969. 0	—19. 4	255. 9
11h 00m-----	186	947. 0	—16. 9	260. 2	—1. 49	-----	-----	250-----	939	—16. 9	260. 7
11h 03m-----	385	922	—16. 9	262. 0	0. 00	-----	-----	500-----	907	—16. 8	263. 5
11h 10m-----	681	884	—16. 6	265. 7	—0. 10	-----	-----	750-----	876	—16. 7	266. 2
11h 14m-----	834	867	—16. 7	267. 0	0. 07	-----	-----	885-----	860	—16. 8	267. 5
11h 19m-----	885	860	—16. 8	267. 5	0. 20	-----	-----	-----	-----	-----	-----
12h 29m ¹ -----	151	949	—19. 5	257. 3	-----	80°05' S	155°25' W	-----	-----	-----	-----
12h 39m-----	793	870	—18. 1	265. 3	-----	-----	-----	-----	-----	-----	-----
13h 08m ¹ -----	140	947	—19. 9	257. 1	-----	80°40' S	151°00' W	-----	-----	-----	-----
13h 14m-----	732	877	—18. 3	264. 8	-----	-----	-----	-----	-----	-----	-----

No. 39

14h 27m ¹	635	888	-19.2	262.7		79°40' S	147°00' W	635	888	-19.2	262.7
14h 34m	1,058	839	-19.2	266.9	0.00			750	875	-19.2	263.7
14h 43m	1,364	807	-21.0	268.0	.59			1,000	845	-19.2	266.2
15h 32m	2,925	650	-26.1	279.6	.33			1,500	793	-21.4	269.0
16h 02m	2,757	665	-25.4	278.5		77°34' S	149°50' W	2,000	740	-23.1	272.5
16h 36m	676	883	-19.0	263.3				2,500	691	-24.8	276.1
								2,925	650	-26.1	279.6

No. 40

17h 31m	1,099	834	-18.1	268.5	0.31			1,099	834	-18.1	268.5
17h 38m	518	904	-16.3	264.5	-1.18			1,000	845	-17.7	267.8
17h 50m	18	965.7	-22.2	253.3		78°34' S	163°56' W	750	876	-17.0	266.0
								500	906	-16.6	263.7
								250	937	-19.7	258.0
								18	965.7	-22.2	253.3

Landed: 17h 50m. Clouds: 0. Wind: SW—7.6 m. p. s. Rel. hum.: 81%. Specific hum.: 0.6 g/kg.

NOTE.—This flight goes from Little America southeastward to 81°05' S—147°00' W, thence northward at about 13h 40m along the 147th meridian to 77°25' S—147°00' W and thence west-southwestward at about 15h 40m back to Little America.

WINDS ALOFT

Nov. 15, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	2,790		
7h 58m	Direction	S	SSE	SE	SSE	SSE	SSE	SE	SE	SSE		
	Velocity, m. p. s.	2.9	2.8	5.0	7.7	8.8	9.7	11.6	11.6	13.5		
Nov. 15, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000
12h 47m	Direction	S	SSE	SE	SE	SSE	SSE	SSE	SSE	SE	SE	SE
	Velocity, m. p. s.	5.4	2.7	2.5	4.9	8.5	10.6	11.6	13.1	14.1	17.5	26.2
Nov. 15, 1934	Altitude, m	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	4,590
20h 15m	Direction	SSE	E	ESE	SSE	SSE	SSE	SSE	SSE	SSE	S	S
	Velocity, m. p. s.	2.0	6.0	5.1	9.1	9.3	12.7	13.3	13.5	15.2	16.0	19.0

¹ Surface.

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

AIRPLANE FLIGHT SOUTHEASTWARD TO THE TRACTORS

39. Nov. 16-17, 1934. Take-off 19h 31m. Clouds: 0. Wind: S—2.2 m. p. s. Rel. hum.: 80%. Specific hum.: 0.5 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 41									
Nov. 16									
19h 31m	18	958.2	-23.3	252.9		18	958.2	-23.3	252.9
19h 36m	456	906	-17.3	263.1	-1.37	250	930	-20.4	257.9
19h 40m	579	892	-17.3	264.2	0.00	500	901	-17.3	263.3
						579	892	-17.3	264.2
20h 01m	610	889	-15.7	266.2					
20h 10m	589	891	-17.0	264.7					
20h 38m	569	893	-17.0	264.6					
21h 04m	543	895	-15.1	266.1					
23h 46m	640	886	-15.9	266.2					
Nov. 17									
00h 16m	635	887	-13.1	269.0					
00h 45m	599	893	-12.6	269.1					
00h 55m	579	894	-14.4	266.9					
1h 13m	610	890	-15.0	266.9					
1h 21m	630	888	-14.9	267.1					
1h 32m	610	890	-15.6	266.1					

No. 42

2h 11m	350	918	-16.0	263.2	-3.04	350	918	-16.0	263.2
2h 16m	18	958.8	-26.1	249.1		250	930	-19.0	259.3
						18	958.8	-26.1	249.1

Turned back Nov. 16, 24h 00m. Position 81°20' S—151°00' W. Landed 2h 16m. Clouds: —. Wind: E—4.9 m. p. s. Rel. hum.: 75%. Specific hum.: 0.4 g/kg.

WINDS ALOFT

Nov. 16, 1934	Altitude, m.	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000
22h 45m	Direction	SW	NE	SE	SSE	SSE	SE	SE	ESE	E	ESE	ESE	ESE
	Velocity, m. p. s.	2.0	2.0	3.0	5.0	8.0	9.0	8.0	9.0	10.0	9.0	9.0	9.0

EASTERN MAPPING FLIGHT TO THE ROCKEFELLERS AND MOUNT GRACE M'KINLEY

40. Nov. 18, 1934. Take-off 14h 35m. Clouds: Few AS t S. Wind: SW—3.6 m. p. s. Rel. hum.: 80%. Specific hum.: 0.7 g/kg. Vis. excellent

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°C.)
						Lat.	Long.				
No. 43											
14h 35m	18	965.3	-17.8	256.9		78°34' S	163°56' W	18	965.3	-17.8	256.9
14h 40m	344	924	-12.5	266.5	-1.63			250	937	-14.0	263.9
14h 55m	803	869	-12.3	271.4	-.04			500	905	-12.3	268.3
15h 06m	921	855	-11.6	273.5	-.59			750	875	-12.7	270.4
15h 15m	1,262	816	-11.9	276.9	.09			1,000	846	-11.7	274.4
15h 26m	1,818	759	-15.2	279.0	.59			1,500	792	-13.3	277.7
15h 37m	2,384	703	-14.4	286.1	.14			2,000	739	-14.9	281.5
15h 51m	2,899	657	-18.5	287.2	.80	78°20' S	156°00' W	2,500	693	-15.4	286.4
16h 03m	2,966	651	-19.8	286.6				2,899	657	-18.5	287.2
16h 54m	2,859	660	-24.1	280.6							
17h 01m	3,063	642	-24.3	282.6							
17h 08m	2,920	655	-24.0	281.1							
18h 11m	2,874	658	-20.1	285.1		78°00' S	141°12' W				
19h 02m	2,889	658	-19.8	285.7		78°00' S	135°00' W				
19h 12m	1,782	763	-18.5	275.0							
19h 14m ¹	1,354	808	-18.4	270.5		78°07' S	136°45' W				
19h 38m	1,696	772	-18.4	274.2							
20h 35m	2,170	726	-17.9	277.1		78°07' S	147°32' W				
20h 51m	2,277	717	-19.0	277.8							
21h 18m	2,333	711	-20.1	279.0							
21h 28m	2,313	712	-20.5	278.2		78°10' S	155°52' W				
21h 57m	773	876	-16.8	266.2							
22h 24m	477	911	-14.3	260.9							

Landed at Little America at about 22h 30 m. Made slow 360° turn every 75 miles simultaneously making continuous series of overlapping mapping photographs. 19h 14 m: Sounding to the surface; 1,354 m. is the elevation of the Eastern Plateau from Haines Mountain eastward to point where plane turned back.

¹ Surface.

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

EASTERN MAPPING FLIGHT TO THE ROCKEFELLERS AND MOUNT GRACE M'KINLEY—Continued

40. Nov. 18, 1934. Take-off 14h 35m. Clouds: Few AS S. Wind: SW—3.6 m. p. s. Rel. hum.: 80% Specific hum.: 0.7 g/kg. Vis, excellent—Continued

WINDS ALOFT

Nov. 18, 1934.	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	2,610			
11h 37m-----	Direction-----	SW	SSW	SSW	S	S	SE	SSE	SE	SE			
	Velocity, m. p. s.---	4.0	3.5	3.6	4.8	7.2	7.0	7.3	7.6	7.5			

Nov. 18, 1934.	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,850
19h 04m-----	Direction-----	WSW	SSW	SSW	S	SSE	S	SSE	SE	SE	SE	SE	SSE
	Velocity, m. p. s.---	2.7	5.6	5.2	3.5	3.6	4.6	6.9	7.3	11.2	14.2	15.8	16.0

SOUTHEASTERN FLIGHT

41. Nov. 22, 1934. Take-off: 00h 03m. Clouds: —. Wind: S—2.7 m. p. s. Rel. hum.: 81%. Specific hum.: 0.5 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
						Lat.	Long.				

No. 44

0h 03m-----	18	876.6	-23.3	251.4	-----	78°34' S	163°56' W	18-----	976.6	-23.3	251.4
0h 09m-----	319	926	-17.7	261.2	-1.86	-----	-----	250-----	945	-18.9	258.4
0h 32m-----	543	909	-17.1	263.0	- .27	-----	-----	500-----	914	-17.2	262.9
								543-----	909	-17.1	263.0
1h 35m-----	528	911	-20.2	259.7	-----	-----	-----				
2h 54m ¹ -----	444	920	-18.5	260.6	-----	81°12' S	151°30' W				
3h 14m-----	961	858	-19.3	265.1	-----	-----	-----				
3h 28m ¹ -----	579	902	-19.8	260.8	-----	81°43' S	146°20' W				
3h 42m-----	1,038	850	-19.7	265.2	-----	-----	-----				
4h 33m ¹ -----	533	909	-20.2	259.9	-----	82°32' S	135°00' W				
4h 46m-----	1,043	851	-19.7	265.6	-----	-----	-----				
5h 42m ¹ -----	778	880	-19.1	263.3	-----	82°56' S	125°25' W				
6h 05m-----	1,181	833	-17.6	269.2	-----	83°05' S	119°00' W				
6h 16m ¹ -----	885	867	-17.8	265.9	-----	83°03' S	121°00' W				
6h 44m-----	1,176	884	-17.8	268.8	-----	-----	-----				
7h 26m-----	1,028	851	-19.5	265.3	-----	-----	-----				
7h 52m-----	834	871	-18.7	264.6	-----	82°15' S	139°10' W				
9h 31m-----	885	867	-18.5	265.2	-----	-----	-----				

No. 45

10h 43m-----	987	856	-19.5	265.2	-0.40	-----	-----	1,000--	854	-19.4	265.5
10h 51m-----	737	884	-20.5	261.4	.35	-----	-----	750-----	882	-20.5	261.7
10h 59m-----	508	913	-19.7	260.0	.22	-----	-----	500-----	914	-19.6	259.9
11h 08m-----	18	973.2	-18.6	256.4	-----	78°34' S	163°56' W	250-----	944	-19.1	258.0
								18-----	973.2	-18.6	256.4

Landed: 11h 08m. Clouds: Few. Wind: S—7.2 m. p. s. Rel. hum.: 82%. Specific hum.: 0.7 g/kg. Turned back at 6h 05m at 83°05' S—119°00' W. 1h 42m: Position 80°03' S—158°00' W. 10h 24m: Position 79°31' S—160°00' W.

WINDS ALOFT

Nov. 22, 1934.	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	9,270
3h 48m-----	Direction-----	SSW	SE	SSE	S	SSW	S	SSE	SE	SE	E	E	ESE	ESE	ESE
	Velocity, m. p. s.---	2.5	0.8	2.6	2.6	2.0	3.0	6.2	5.3	5.7	6.0	8.0	7.7	7.0	3.2

Nov. 22, 1934.	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,910
9h 00m-----	Direction-----	S	S	S	SSW	SSW	SSE	SSE	SE	SSE	ESE	ESE	E	E	ESE
	Velocity, m. p. s.---	2.9	6.5	3.2	5.5	4.9	6.5	6.9	5.2	3.4	2.4	4.3	5.8	6.5	5.0

¹ Surface.

FLIGHT SOUTHEASTWARD TO THE TRACTORS

42. Nov. 23-24, 1934. Take-off 17h 16m. Clouds: Few Ci ESE. Wind: SW-3.1 m. p. s. Rel. hum.: 78%. Specific hum.: 0.9 g/kg. Vis. good

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
						Lat.	Long.				
No. 46											
Nov. 23											
17h 16m-----	18	971.6	-16.7	258.5	-----	78°34' S	163°56' W	18-----	971.6	-16.7	258.5
17h 18m-----	176	951	-14.1	262.8	-1.64			250-----	942	-13.7	264.0
17h 23m-----	273	937	-13.5	264.4	-.62			500-----	910	-13.9	266.4
17h 36m ¹ -----	314	932	-13.7	264.7	.49	78°54' S	162°15' W	528-----	907	-14.0	266.4
17h 55m-----	528	907	-14.0	266.4	.14						
17h 58m ¹ -----	334	929	-13.8	264.7	-----	79°13' S	160°45' W				
18h 14m ¹ -----	140	952	-13.8	263.0	-----	79°26' S	159°30' W				
18h 54m ¹ -----	120	935	-17.7	258.5	-----	80°02' S	155°30' W				
19h 50m ¹ -----	166	950	-14.8	262.0	-----	81°03' S	147°30' W				
20h 18m ¹ -----	191	946	-16.3	260.9	-----	81°03' S	145°15' W				
20h 32m ¹ -----	253	936	-17.7	260.2	-----	81°03' S	143°40' W				
20h 43m ¹ -----	304	931	-17.9	260.4	-----	81°03' S	142°00' W				
21h 07m ¹ -----	334	928	-16.2	262.4	-----	80°40' S	141°20' W				
21h 16m ¹ -----	344	927	-16.8	261.7	-----	80°40' S	142°30' W				
21h 34m ¹ -----	207	945	-17.0	260.1	-----	80°40' S	144°40' W				
21h 58m ² -----	143	951	-16.8	259.9	-----	80°28' S	149°04' W				

No. 46A

22h 44m ³	143	951	-18.1	258.6		80°28' S	149°04' W	143	951	-18.1	258.6
22h 50m	349	926	-15.9	262.8	-1.07			250	939	-17.0	260.6
22h 59m	780	875	-15.8	267.2	-0.02			500	908	-15.9	264.4
								750	879	-15.8	266.8
								780	875	-15.8	267.2

No. 47

Nov. 24											
00h 33m	788	876	-13.9	269.3	0.60			788	876	-13.9	269.3
00h 40m	589	898	-12.7	268.5	-0.40			750	880	-13.7	269.0
00h 52m	288	934	-13.9	264.3	-3.07			500	908	-13.1	267.2
00h 56m	18	968	-22.2	253.1		78°34' S	163°56' W	250	939	-15.0	262.6
								18	968.0	-22.2	253.1

Landed: 00h 56m. Clouds: Few ACu; brilliant iridescence. Wind: SW-2.7 m. p. s. Rel. hum.: 82%. Specific hum.: 0.6 g/kg.

WINDS ALOFT

Nov. 23, 1934	Altitude, m.	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	9,270
14h 04m	Direction	WSW	S	SSE	SSE	SSE	SSE	SSE	S	S	S	SE	SE	ESE	ESE
	Velocity, m. p. s.	2.2	3.7	5.2	6.7	7.3	6.7	6.5	5.5	5.5	6.4	4.1	4.4	5.5	6.0
Nov. 23, 1934	Altitude, m.	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	4,050			
20h 27m	Direction	SSW	S	S	S	S	SSE	SSE	S	SSE	SSE	SSE			
	Velocity, m. p. s.	4.9	7.5	7.7	9.7	9.8	9.3	5.7	5.0	3.0	4.2	4.0			

¹ Surface.² Landed at tractors.³ Took off for Little America.

43. Dec. 8, 1934. Airplane. Take-off 2h 40m. Clouds: 0. Wind: S-1.8 m. p. s. Rel. hum.: 76%. Specific hum.: 0.9 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 62									
2h 40m	18	990.5	-15.3	258.3		18	990.5	-15.3	258.3
2h 49m	344	949	-8.0	269.0	-2.24	250	961	-10.0	266.0
2h 55m	446	936	-7.6	270.4	-0.39	500	930	-7.2	271.4
3h 15m	620	916	-6.5	273.2	-0.63	620	916	-6.5	273.2

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

43. Dec. 8, 1934. Airplane. Take-off 2h 40m. Clouds: 0. Wind: S—1.8 m. p. s. Rel. hum.: 76% Specific hum.: 0.9 g/kg.—Continued

WINDS ALOFT

Dec. 8, 1934.	Altitude, m.	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	6,930
9h 20m	Direction	S	SSE	SSE	SSE	S	SSE	S	S	SSE	SSE	SSE	SSE	SSE
	Velocity, m.p.s.	2.7	2.4	4.9	6.7	6.5	7.7	8.5	9.3	8.3	8.3	9.3	11.4	12.0

FLIGHT TO ROCKEFELLER MOUNTAINS AND 120-MILE DEPOT

44. Dec. 8, 1934. Take-off 13h 23m. Clouds: 0. Wind: S 3.1 m. p. s. Rel. hum.: 78% Specific hum.: 1.3 g/kg. Vis. good

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 63									
13h 23m	18	987.2	-11.2	262.8	-----	18	987.2	-11.2	262.8
13h 29m	375	943	-6.8	270.8	-1.23	250	958	-8.1	268.2
13h 38m	497	929	-6.7	272.2	-.08	500	929	-6.7	272.2
14h 26m ¹	186	966	-10.9	264.9					
15h 23m ²	186	966	-12.1	263.5					
15h 49m ³									
16h 31m	676	906	-9.1	271.5					

¹ Surface.² Landed at 120-mile depot.³ Take-off at 120-mile depot.

No. 64

17h 00m	523	924	-8.0	271.1	-1.34	523	924	-8.9	271.1
17h 09m	329	948	-10.6	266.5	-.16	500	927	-8.2	270.9
17h 15m	18	986.8	-11.1	262.8	-----	250	958	-10.8	265.5
						18	986.8	-11.1	262.8

Landed 17h 15m. Clouds: Few ASst, few St. Wind: S—1.8 m. p. s. Rel. hum.: 78%. Specific hum.: 1.3 g/kg. Vis good.

WINDS ALOFT

Dec. 8, 1934.	Altitude, m.	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,550
15h 05m	Direction	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW
	Velocity, m. p. s.	3.6	5.8	5.0	5.2	6.7	7.2	7.9	9.3	9.9	9.5	9.5	13.9	14.1	9.6

45. Dec. 15, 1934. Airplane. Take-off 15h 40m. Clouds: 0. Wind: S—3.1 m. p. s. Rel. hum.: 78%. Specific hum.: 1.2 g/kg. Heavy shower of ice crystals falling.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 65									
15h 40m	18	988.5	-11.7	262.3	-----	18	988.5	-11.7	262.3
16h 09m	487	930	-6.4	272.4	-1.13	250	961	-9.3	266.8
16h 24m	691	904	-6.8	273.9	.20	500	928	-6.4	272.5
16h 40m	1,681	798	-9.7	281.0	.29	750	897	-7.0	274.4
16h 54m	2,578	709	-14.8	285.1	.57	1,000	872	-7.6	276.1
						1,500	817	-9.2	279.6
						2,000	766	-11.5	282.4
						2,500	717	-14.2	284.7
						2,578	709	-14.8	285.1

WINDS ALOFT

Dec. 15, 1934.	Altitude, m.	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	7,290
16h 54m	Direction	SSW	SSW	SSW	SSW	S	S	S	S	S	S	S	SSW	SSW
	Velocity, m. p. s.	1.8	4.8	4.9	4.3	4.0	5.0	5.7	7.5	8.7	10.2	9.7	12.6	14.6

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

NORTHEASTERN FLIGHT

46. Dec. 15-16, 1934. Take-off Dec. 15, 19h 30m. Clouds: 0. Wind: SW—1.6 m. p. s. Rel. hum.: 75%. Specific hum.: 1.1 g/kg. Vis. excellent

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°C.)
						Lat.	Long.				
Dec. 15											
19h 30m-----	18	989.0	−12.8	261.0	-----	78°34' S	163°56' W				
19h 50m-----	339	949									
19h 55m-----	411	941									
20h 15m-----	926	881									
20h 37m-----	1,248	844									
20h 44m-----	1,410	827									
20h 58m-----	1,721	793				77°33' S	156°03' W				

No. 66

22h 05m-----	1,691	794	-15.3	275.3	-----	76°37' S	151°15' W	1,691	794	-15.3	275.3
22h 14m-----	2,328	730	-19.8	277.0	0.71			2,000	764	-17.4	276.2
22h 17m-----	2,573	706	-20.6	278.9	.33	-----	-----	2,500	713	-20.4	278.4
22h 18m-----	2,665	698	-20.5	280.0	-.11	-----	-----	3,000	667	-22.7	281.2
22h 20m-----	2,747	690	-21.2	280.2	.85	-----	-----	4,000	582	-27.8	286.7
22h 28m-----	3,231	647	-23.8	282.3	.54	-----	-----	4,057	577	-28.4	286.5
22h 29m-----	3,267	644	-23.8	282.8	.00	-----	-----				
22h 42m-----	3,659	609	-25.8	285.0	.51	-----	-----				
22h 48m-----	3,838	594	-27.4	285.2	.89	-----	-----				
22h 51m-----	3,894	589	-27.4	285.9	.00	-----	-----				
22h 52m-----	3,935	587	-27.2	286.8	-.49	-----	-----				
23h 00m-----	4,057	577	-28.4	286.5	.98	75°54' S	146°52' W				
23h 16m-----	4,098	574	-28.4	287.0	-----						
23h 49m-----	4,045	578	-28.6	286.1	-----	-----	-----				
<i>Dec. 16</i>											
00h 37m-----	4,057	577	-28.3	286.7	-----	77°01' S	147°27' W				
1h 22m-----	4,144	569	-29.0	287.0	-----	77°56' S	149°13' W				
1h 33m-----	3,219	646	-24.2	282.1	-----	-----	-----				
1h 46m-----	2,360	726	-20.1	277.4	-----	-----	-----				
1h 56m-----	513	924	-7.8	271.3	-----	78°10' S	153°40' W				
2h 33m-----	992	874	-9.9	273.6	-----	78°20' S	157°45' W				

No. 67

2h 47m-----	890	885	-9.5	273.0	0.46	-----	-----	890	885	-9.5	273.0
3h 05m-----	737	903	-8.8	272.2	.27	-----	-----	750	901	-8.8	272.3
3h 15m-----	479	936	-8.1	270.2	-1.47	-----	-----	500	933	-8.2	270.2
3h 18m-----	268	960	-11.2	265.0	-1.96	-----	-----	250	962	-11.8	264.1
3h 20m-----	18	991.2	-16.1	257.5	-----	78°34' S	163°56' W	18	991.2	-16.1	257.5

Landed: Dec. 16, 3h 20m. Clouds: StCu overcast shortly after plane landed. Wind: W—0.9 m. p. s. Rel. hum.: 73%. Specific hum.: 0.8 g/kg. Turned back Dec. 15, 23h 35m; position 75°43' S—145°14' W.

WINDS ALOFT

Dec. 15, 1934_	Altitude, m_-----	Surface	250	500	750	1, 000	1, 500	2, 000	2, 500	3, 000	4, 000	5, 000	6, 000	7, 290	
16h 54m_-----	Direction_-----	SSW	SSW	SSW	S	S	S	S	S	S	S	SSW	SSW	SSW	
	Velocity, m. p. s_--	1. 8	4. 8	4. 9	4. 3	4. 0	5. 0	5. 7	7. 5	8. 7	10. 2	9. 7	12. 6	14. 6	
Dec. 16, 1934_	Altitude, m_-----	Surface	250	500	750	1, 000	1, 500	2, 000	2, 500	3, 000	4, 000	5, 000	6, 000	8, 000	9, 270
0h 15m_-----	Direction_-----	SW	WSW	WSW	WSW	SW	WSW	SW	SW	SSW	SSW	SSW	SW	SW	SW
	Velocity, m. p. s_--	1. 1	3. 9	3. 9	2. 8	2. 7	3. 9	5. 8	6. 6	7. 5	7. 5	7. 5	9. 8	12. 1	10. 0

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

MAPPING FLIGHT OVER THE BAY OF WHALES

47. Dec. 27, 1934. Take-off 11h 05 m. Clouds: Few ASt. Wind: E—5.1 m. p. s. Rel. hum.: 77%. Specific hum.: 1.8 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 68									
11h 05m-----	18	974.2	-6.7	268.3	-----	18-----	974.2	-6.7	268.3
11h 13m-----	865	874	-6.4	277.0	-0.04	250-----	946	-6.6	270.8
11h 34m-----	2,298	726	-14.7	283.3	.58	500-----	917	-6.6	273.3
11h 49m-----	2,787	681	-18.0	284.9	.67	750-----	888	-6.5	275.8
						1,000-----	860	-7.1	277.6
						1,500-----	806	-10.1	279.7
						2,000-----	756	-13.0	281.9
						2,500-----	707	-16.0	283.9
						2,787-----	681	-18.0	284.9

Descent No. 69

13h 41m-----	2,792	680	-17.7	285.2	0.21	2,792-----	681	-17.7	285.2
13h 57m-----	2,185	737	-16.4	208.1	.61	2,500-----	707	-17.1	282.8
14h 09m-----	839	878	-8.2	274.7	.30	2,000-----	756	-15.3	279.4
14h 25m-----	365	932	-6.8	271.6	-.27	1,500-----	806	-12.3	277.4
14h 28m-----	181	953	-7.3	269.3	.68	1,000-----	860	-9.1	275.5
14h 29m-----	18	973.2	-6.2	269.0	-----	750-----	888	-7.9	274.3
						500-----	917	-7.1	272.5
						250-----	945	-7.1	270.2
						18-----	973.2	-6.2	269.0

Landed: Dec. 27, 1934, 14h 29m. Clouds: 7 ACu SE. Wind: E—5.8 m. p. s. Rel. hum.: 77%. Specific hum.: 1.9 g/kg. Altitude of about 2,800 m. maintained from 11h 49m to 13h 41m. Plane descending rapidly at 13h 57m.

WINDS ALOFT

Dec. 27, 1934.	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,910
8h 35m-----	Direction-----	S	S	SE	SE	SE	SE	SE	SE	S	SSE	SE	SE	SE	ESE
	Velocity, m. p. s.---	1.8	2.8	3.7	6.0	7.7	8.8	8.5	5.0	6.8	3.9	4.2	5.3	5.5	7.0
Dec. 27, 1934.	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,730
13h 20m-----	Direction-----	W	WNW	NW	NW	NNW	NNW	NW	NW	NW	WNW	NW	NW	WNW	NW
	Velocity, m. p. s.---	6.3	7.6	8.2	6.4	6.8	7.0	7.0	6.9	7.2	6.7	5.3	5.8	5.0	18.0

BAY OF WHALES MAPPING FLIGHT

48. Dec. 28, 1934. Take-off 10h 22m. Clouds: Few ASt E. Wind: E—4.0 m. p. s. Rel. hum.: 77%. Specific hum.: 2.0 g/kg. Vis. good

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 70									
10h 22m-----	18	977.6	-5.3	269.5	-----	18-----	977.6	-5.3	269.5
10h 26m-----	360	934	-7.0	271.2	0.50	250-----	949	-6.5	270.8
10h 27m-----	589	910	-6.2	274.5	-.35	500-----	920	-6.4	273.2
10h 42m-----	1,971	760	-14.4	279.9	.59	750-----	890	-7.1	275.0
10h 57m-----	2,772	683	-17.7	284.8	.41	1,000-----	864	-8.5	275.9
						1,500-----	809	-11.6	277.9
						2,000-----	757	-14.6	280.1
						2,500-----	708	-16.6	283.1
						2,772-----	683	-17.7	284.8

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

BAY OF WHALES MAPPING FLIGHT—Continued

48. Dec. 28, 1934. Table-off 10h 22m. Clouds: Few Ast E. Wind: E—4.0 m. p. s. Rel. hum.: 77%. Specific hum.: 2.0 g/kg. Vis. good—Continued

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
Descent No. 71									
13h 02m-----	2,792	682	-17.3	285.5	0.46	2,792----	682	-17.3	285.5
13h 09m-----	1,033	860	-9.3	275.4	.62	2,500----	708	-16.1	283.6
13h 13m-----	289	944	-4.7	272.8	-.33	2,000----	758	-13.8	280.7
13h 16m-----	18	979.4	-5.6	269.0		1,500----	809	-11.4	277.8
						1,000----	864	-9.1	275.2
						750----	890	-7.7	274.4
						500----	920	-6.0	273.5
						250----	949	-5.0	272.1
						18-----	979.4	-5.6	269.0

Landed: 13h 16m. Clouds: Few Ast ENE. Wind: E—7.6 m. p. s. Rel. hum.: 76%. Specific hum.: 2.0 g/kg. Altitude of about 2,780 m. maintained from 10h 57m to 13h 02m.

WINDS ALOFT

Dec. 28, 1934-----	Altitude, m-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	6,390
8h 10m-----	Direction-----	E	ESE	ESE	ESE	ESE	E	E	ESE	E	ENE	ENE	E	E
	Velocity, m. p. s.---	5.4	7.2	5.7	6.1	6.3	7.9	7.3	7.5	10.0	7.9	10.6	12.0	11.4
Dec. 28, 1934-----	Altitude, m-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,490	
13h 08m-----	Direction-----	E	E	ENE	ENE	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	
	Velocity, m. p. s.---	6.3	8.1	6.4	6.4	7.2	8.6	13.3	9.4	10.9	12.7	11.6	8.8	

49. Dec. 29-30, 1934. Airplane. Take-off Dec. 29, 23h 00m. Clouds: 4 CiSt. E. Wind: S—1.3 m. p. s. Rel. hum.: 74%. Specific hum.: 1.5 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 72									
Dec. 29									
23h 00m-----	18	981.5	-8.9	265.5		18-----	981.5	-8.9	265.5
23h 34m-----	314	945	-3.7	273.8	-1.76	250-----	953	-4.8	273.0
23h 51m-----	1,048	862	-6.0	278.8	.31	500-----	923	-4.3	274.9
Dec. 30									
0h 05m-----	1,936	767	-11.6	282.2	.63	750-----	893	-5.1	276.8
0h 17m-----	2,721	691	-14.3	287.6	.34	1,000-----	867	-5.8	278.5
0h 30m-----	3,608	613	-20.2	291.0	.66	1,500-----	811	-8.9	280.6
						2,000-----	761	-11.8	282.8
						2,500-----	713	-13.4	286.0
						3,000-----	666	-16.2	288.7
						3,608-----	613	-20.2	291.0

9 Ast E at 0h 50 m, Dec. 30.

WINDS ALOFT

Dec. 29, 1934-----	Altitude, m-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,850
21h 30m-----	Direction-----	SSW	SE	ESE	ESE	SE	SSE	SE	SE	SE	E	E	E
	Velocity, m. p. s.---	3.3	6.0	8.2	7.4	6.2	8.4	10.3	8.2	8.3	15.3	20.8	25.2

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

FLIGHT TO THE ROCKEFELLER AND EDELL FORD MOUNTAINS (MARKED GRACE MCKINLEY FLIGHT ON THE PHOTOGRAPHS)

50. Dec. 31, 1934-Jan. 1, 1935. Take-off Dec. 31, 22h 24m. Clouds: 1 Ci, 1 CiSt ESE. Wind: SE—2.2 m. p. s. Rel. hum.: 84%. Specific hum.: 1.5 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Position		Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
						Lat.	Long.				
No. 73											
Dec. 31											
22h 24m-----	18	976.0	-10.0	264.8	-----	78°34' S	163°56' W	18-----	976.0	-10.0	264.8
22h 29m-----	370	933	-3.3	275.1	-1.90	-----	-----	250-----	948	-5.7	271.6
22h 32m-----	528	916	-3.2	276.7	-.06	-----	-----	500-----	919	-3.3	276.3
23h 04m-----	737	891	-3.9	278.2	.34	-----	-----	-----	889	-4.0	-----
23h 11m-----	426	928	-2.3	276.5	-----	-----	-----	750 ¹ ---	891	-3.9	278.4
23h 19m-----	344	936	-3.6	274.6	-----	-----	-----	-----	-----	-----	-----
Jan. 1											
0h 02m-----	319	940	-2.5	275.4	-----	-----	-----	-----	-----	-----	-----
0h 27m-----	640	902	-3.5	277.6	-----	-----	-----	-----	-----	-----	-----
0h 52m-----	202	953	-2.6	274.2	-----	-----	-----	-----	-----	-----	-----
1h 08m-----	701	895	-3.3	278.4	-----	-----	-----	-----	-----	-----	-----
1h 23m-----	661	900	-5.7	275.7	-----	-----	-----	-----	-----	-----	-----
1h 26m-----	824	882	-8.0	274.9	-----	-----	-----	-----	-----	-----	-----
1h 28m-----	900	873	-5.8	277.8	-----	-----	-----	-----	-----	-----	-----
1h 43m-----	1,201	840	-6.3	280.3	-----	-----	-----	-----	-----	-----	-----
2h 14m-----	1,670	790	-10.0	281.4	-----	-----	-----	-----	-----	-----	-----
2h 31m-----	1,808	777	-10.4	282.4	-----	77°45' S	147°30' W	-----	-----	-----	-----
2h 50m-----	1,793	778	-10.3	282.4	-----	-----	-----	-----	-----	-----	-----
2h 59m-----	1,701	787	-10.1	281.6	-----	-----	-----	-----	-----	-----	-----
3h 05m-----	1,619	794	-10.4	280.6	-----	-----	-----	-----	-----	-----	-----
3h 10m-----	1,701	785	-10.5	281.3	-----	-----	-----	-----	-----	-----	-----
3h 17m-----	1,762	779	-10.3	282.2	-----	-----	-----	-----	-----	-----	-----
3h 21m-----	1,701	785	-9.5	282.6	-----	-----	-----	-----	-----	-----	-----
3h 38m-----	1,599	800	-9.2	281.3	-----	-----	-----	-----	-----	-----	-----
3h 47m-----	1,721	788	-10.4	281.4	-----	-----	-----	-----	-----	-----	-----
3h 52m-----	1,630	796	-9.5	281.4	-----	-----	-----	-----	-----	-----	-----
3h 56m-----	1,492	811	-8.1	281.3	-----	-----	-----	-----	-----	-----	-----
4h 01m-----	1,334	828	-6.9	281.0	-----	78°07' S	152°30' W	-----	-----	-----	-----
4h 24m-----	2,201	740	-12.5	284.1	-----	-----	-----	-----	-----	-----	-----
5h 10m-----	3,828	594	-21.8	291.9	-----	-----	-----	-----	-----	-----	-----
5h 38m-----	4,455	544	-27.5	292.6	-----	-----	-----	-----	-----	-----	-----

¹ Extrapolated from 737 m.

No. 74

5h 38m-----	4,455	544	-27.5	292.6	0.61	-----	-----	4,455--	544	-27.5	292.6
5h 46m-----	2,497	706	-15.6	283.8	.59	-----	-----	4,000--	578	-25.0	290.4
5h 56m-----	528	916	-4.0	275.9	.16	-----	-----	3,000--	663	-18.9	286.1
5h 59m-----	140	960	-3.4	272.8	-4.02	-----	-----	2,500--	706	-15.9	283.8
6h 01m-----	18	976.3	-8.3	266.4	-----	78°34' S	163°56' W	2,000--	756	-12.9	281.9
								1,500--	808	-9.9	279.9
								1,000--	862	-6.8	277.6
								750--	889	-5.5	276.8
								500--	919	-4.0	275.5
								250--	948	-3.7	273.6
								18--	976.3	-8.3	266.4

Landed: Jan. 1, 6h 01m. Clouds: Few CiSt. Wind: SE—1.8 m. p. s. Rel. hum.: 82%. Specific hum.: 1.7 g/kg. Turned back Jan. 1, 3h 03m; position 77°35' S—147°00' W.

WINDS ALOFT

Dec. 31, 1934	Altitude, m-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	4,590	
19h 05m-----	Direction-----	ENE	S	SSE	SE	SE	ESE	SE	ESE	ESE	ESE	ESE	
	Velocity, m. p. s--	1.5	2.6	4.3	4.1	5.0	5.5	7.4	8.7	10.6	12.5	11.2	
Jan. 1, 1935	Altitude, m-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000
2h 35m-----	Direction-----	E	SE	SSE	E	SSE	ESE	E	E	ESE	SE	ESE	SE
	Velocity, m. p. s--	1.8	5.2	2.3	1.2	1.8	1.7	3.9	5.3	5.9	9.5	9.1	13.6

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

51. Jan. 2, 1935. Airplane. Take-off 22h 32m. Clouds: 7 StCu (thin). Wind: E—3.6 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Humidity		Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Humidity	
						Relative (percent)	Specific (g/kg.)					Relative (percent)	Specific (g/kg.)
No. 75													
22h 22m-----	18	1,006.8	-7.2	265.4	-----	89	2.0	18-----	1,006.8	-7.2	265.4	89	2.0
22h 26m-----	477	950	-2.0	275.0	-1.13	-----	2.5	250-----	978	-4.6	270.2	80	2.2
22h 29m-----	941	893	-2.6	279.1	.13	-----	2.4	500-----	947	-2.1	275.2	-----	-----
22h 40m-----	2,068	774	-10.7	282.4	.72	62	1.4	750-----	916	-2.3	277.4	-----	-----
22h 49m-----	2,915	693	-15.0	286.6	.51	58	1.0	1,000-----	887	-3.2	279.2	-----	-----
23h 02m-----	4,083	594	-23.2	290.2	.70	55	.6	1,500-----	834	-6.6	280.7	-----	-----
23h 20m-----	4,929	529	-29.1	293.1	.70	54	.4	2,000-----	781	-10.3	282.0	-----	-----
								2,500-----	734	-12.8	284.6	60	1.2
								3,000-----	685	-15.7	286.8	57	.9
								4,000-----	600	-22.7	289.9	56	.6
								4,929-----	529	-29.1	293.1	54	.4

Passed through thin StCu at 941 m. Thin StCu all around station as far as could be seen from top of flight. No bay ice has yet moved out.

WINDS ALOFT

Jan. 2, 1935-----	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	3,690
19h 50m-----	Direction-----	ENE	NE	NE	NNE	NNE	NE	NE	NNE	NNE	NE
	Velocity, m. p. s.-----	4.5	9.5	8.9	7.5	7.5	6.8	7.9	7.8	7.1	3.2

SEISMIC SOUNDING FLIGHT WITHIN 25 MILE RADIUS OF LITTLE AMERICA

52. Jan. 5-6, 1935. Take-off Jan. 5, 196h 10m. Clouds: Few Ci WNW. Wind: S—7.6 m. p. s. Rel. hum.: 72%. Specific hum.: 2.0 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100 m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 76									
Jan. 5									
19h 10m-----	18	1,001.7	-4.3	268.4	-----	18-----	1,001.7	-4.3	268.4
19h 18m-----	293	968	-3.8	271.8	-0.18	250-----	973	-3.8	271.3
19h 25m-----	309	966	-3.6	272.2	-1.25	416-----	952	-4.6	272.3
19h 34m-----	416	952	-4.6	272.3	.93				
19h 40m ¹ -----	74	995	-5.1	268.1	-----				
20h 18m ² -----					-----				
20h 47m ³ -----	84	993	-5.1	268.3	-----				
21h 15m ³ -----					-----				
21h 32m ⁴ -----	222	976	-4.8	268.1	-----				
21h 59m ⁵ -----					-----				
22h 17m ⁵ -----	421	952	-7.2	269.5	-----				
22h 44m ³ -----					-----				
22h 54m ⁶ -----	74	993	-6.4	267.0	-----				
23h 23m ³ -----					-----				
23h 48m ⁷ -----	49	997	-7.8	265.4	-----				
Jan. 6									
00h 29m ² -----					-----				
00h 40m ⁸ -----	59	996	-9.2	264.0	-----				

No. 77

1h 06m ² -----	59	996	-9.2	264.0	-----	59-----	996	-9.2	264.0
1h 09m-----	278	967	-5.0	270.6	-1.92	250-----	971	-5.5	269.6
1h 17m-----	839	900	-8.4	273.0	.61	500-----	942	-6.2	271.4
1h 19m-----	968	885	-8.6	273.9	.16	750-----	910	-7.8	272.5
1h 24m-----	1,242	853	-7.0	278.3	-.58	1,000-----	881	-8.4	274.5
1h 25m-----	1,364	840	-6.9	279.7	-.82	1,500-----	826	-7.6	280.4
1h 34m-----	2,007	773	-10.3	283.2	.53	2,000-----	774	-10.3	282.9
1h 45m-----	18	1,002.7	-9.4	263.3	-----	2,007-----	773	-10.3	283.2

Landed: Jan. 6, 1h 45m. Clouds: 0. Wind: S—6.3 m. p. s. Rel. hum.: 79%. Specific hum.: 1.5 g/kg.

WINDS ALOFT

Jan. 5, 1935--	Altitude, m.-----	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,000	8,000	8,550
20h 55m-----	Direction-----	S	SSE	SE	SE	SSE	SSE	SE	SSE	S	W	W	W	W	W
	Velocity, m. p. s.-----	5.4	9.0	10.6	8.3	9.0	6.7	2.9	2.4	3.4	4.9	6.8	13.5	34.2	35.6

¹ Landed: 5 miles S of Kainan Bay.² Take-off.³ Landed: 25 miles E of Little America.⁴ Landed: Roosevelt Island, 1/4 mile S of Amundsen Arm.⁵ Landed: Dome of Roosevelt Island.⁶ Landed: 25-Mile Depot, Southern Trail.⁷ Landed: 25 miles W of Little America.⁸ Landed: 25 miles W of Floyd Bennett Bay.

TABLE 26.—Results of kite and airplane ascents and airplane flights at Little America—Continued

SEISMIC SOUNDING FLIGHT TO DISCOVERY INLET AND VICINITY

53. Jan. 6, 1935. Take-off 19h 20m. Clouds: Few ASW. Wind: S—7.2 m. p. s. Rel. hum.: 86%. Specific hum.: 2.2 g/kg.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)	Lapse rate (°/100m.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (°C.)	Potential temp. (°A.)
No. 78									
19h 20m ¹	18	1,001.2	-5.9	267.0	-----	18	1,001.2	-5.9	267.0
19h 24m	278	969	-5.8	269.6	-0.03	250	973	-5.8	269.3
19h 26m	493	943	-2.5	265.1	-1.53	500	942	-2.5	275.3
19h 35m	936	892	-5.2	276.7	.61	750	913	-4.1	276.0
20h 20m	834	904	-5.2	275.7	-----	936	892	-5.2	276.7
20h 32m ²	54	997	-6.9	266.3	-----				
21h 00m ¹	54	997	-6.9	266.3	-----				
21h 19m ³	69	994	-7.1	266.2	-----				
21h 31m ³	69	994	-7.2	266.2	-----				
21h 44m ³	69	994	-7.2	266.2	-----				

No. 79									
21h 54m ¹	79	993	-7.3	266.2	-----	79	993	-7.3	266.2
22h 02m	508	942	-7.3	270.5	0	250	974	-5.8	269.3
22h 07m	834	902	-5.5	273.7	-0.55	500	943	-5.8	271.7
22h 19m	1,678	809	-10.3	279.1	.57	750	912	-6.0	274.2
22h 34m	2,568	720	-13.5	285.2	.36	1,000	883	-6.5	276.1
22h 35m	2,660	712	-12.5	287.2	-1.09	1,500	827	-9.4	278.3
22h 44m	3,190	664	-13.8	291.5	.25	2,000	775	-11.6	281.3
						2,500	727	-13.3	284.8
						3,000	682	-13.3	289.9
						3,190	664	-13.8	291.5

Returned to Little America at 22h 57m because low StCu were coming in rapidly from the S. Wind: S—7.6 m. p. s.

WINDS ALOFT

Jan. 6, 1935	Altitude, m.	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,930
15h 58m	Direction	SSW	SSE	SSE	SSE	SE	SSE	S	SSW	SW	WSW	WSW	W
	Velocity, m. p. s.	7.6	7.5	9.3	11.2	10.1	8.1	7.3	7.9	8.7	11.1	14.7	30.0

Jan. 6, 1935	Altitude, m.	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	5,490
21h 38m	Direction	S	S	S	S	S	S	SSW	SSW	SW	WSW	WSW	WSW
	Velocity, m. p. s.	7.6	12.5	11.7	9.2	7.3	7.1	6.4	8.8	9.2	10.9	14.8	20.0

¹ Take-off.² Landed.³ Surface.

54. Jan. 9, 1935. Airplane. Take-off 15h 45m. Clouds: 0. Wind: SW—5.4 m. p. s.

Time (180th mer.)	Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Lapse rate (°/100 m.)	Humidity		Altitude sea level (m.)	Pressure (mb.)	Temp. (° C.)	Potential temp. (° A.)	Humidity	
						Relative (percent)	Specific (g/kg.)					Relative (percent)	Specific (g/kg.)
No. 80													
15h 45m-----	18	994. 4	- 5. 0	268. 4	-----	81	2. 1	18-----	994. 4	- 5. 0	268. 4	81	2. 1
15h 56m-----	467	940	- 3. 4	274. 5	-0. 36	59	1. 9	250-----	966	- 4. 3	271. 4	70	2. 0
16h 00m-----	676	915	- 3. 3	276. 6	- . 05	57	1. 9	500-----	936	- 3. 4	274. 7	58	1. 9
16h 11m-----	1, 793	793	- 6. 1	285. 2	. 25	48	1. 5	750-----	908	- 3. 6	277. 1	55	1. 8
16h 33m-----	3, 792	612	-14. 9	297. 3	. 44	40	. 8	1, 000---	880	- 4. 1	279. 0	54	1. 7
16h 46m-----	4, 312	572	-18. 4	299. 1	. 67	37	. 6	1, 500---	825	- 5. 4	282. 9	50	1. 5
								2, 000---	774	- 7. 0	286. 4	47	1. 4
								2, 500---	726	- 9. 2	289. 1	45	1. 2
								3, 000---	680	-11. 3	292. 4	43	1. 0
								4, 000---	596	-16. 3	297. 9	38	. 7
								4, 312---	572	-18. 4	299. 1	37	. 6

WINDS ALOFT

Jan. 9, 1935	Altitude, m.	Surface	250	500	750	1,000	1,500	2,000	2,500	3,000	4,000	5,000	6,930
18h 23m	Direction	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SW
	Velocity, m. p. s.	2.7	7.3	7.0	7.0	8.6	10.6	9.1	6.9	7.0	6.5	9.1	18.0

6. 2
9. 3
1. 7
4. 2
6. 1
8. 3
1. 3
4. 8
9. 9
1. 5

930	W	30.0
<hr/>		
490	SW	20.0

specific
(g.)

2.1
2.0
1.9
1.8
1.7
1.5
1.4
1.2
1.0
.7
.6

930
SW
18.0

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 11. Jan. 26, 1929; 20h 15m. Clouds: 4 StCu SSW. Fog, almost dense, formed rapidly after sun went behind clouds. Vis.: 7															
Surface	83	W	2.2	No. 12—Continued				No. 15. Jan. 30, 1929; 22h 16m. Clouds: Few StCu SW. Vis.: 7				No. 16—Continued			
216	111	WNW	5.3	2,790	47	SW	10.9	Surface	335	SSE	4.0	4,410	72	WSW	8.7
414	125	NW	5.1	2,970	47	SW	13.3	216	2	S	2.7	4,590	75	WSW	9.9
612	135	NW	4.7	3,150	51	SW	14.0	414	60	WSW	2.8	4,770	78	WSW	10.9
801	142	NW	3.8	3,330	59	WSW	14.2	612	79	W	5.5	4,950	79	W	12.0
990	144	NW	1.4	3,510	66	WSW	14.2	801	79	W	7.3	5,130	81	W	12.6
1,170	346	SSE	1.9	3,690	68	WSW	15.3	990	79	W	7.7	5,310	86	W	12.6
1,350	353	S	3.5	3,870	66	WSW	15.8	1,170	81	W	7.1	5,490	87	W	14.1
1,530	355	S	4.3	4,050	64	WSW	15.0	1,350	90	W	6.5	5,670	87	W	17.1
1,710	359	S	6.7	Disappearance: Bursting.				1,530	91	W	5.8	5,850	87	W	18.0
1,890	5	S	7.8	No. 13. Jan. 29, 1929; 15h 30m. Clouds: 4 ACu SSW, 3 St SE. Vis.: 6				1,710	75	WSW	4.4	6,030	86	W	18.5
2,070	31	SSW	4.6	Surface	330	SSE	4.0	1,890	48	SW	3.2	6,210	90	W	18.8
2,250	92	W	4.4	216	332	SSE	5.5	2,070	39	SW	3.3	6,390	96	W	18.0
2,430	109	WNW	5.6	414	328	SSE	3.7	2,250	40	SW	3.8	6,570	99	W	17.0
2,610	116	WNW	5.9	612	313	SE	3.3	2,430	37	SW	4.4	6,750	102	WNW	16.7
2,790	116	WNW	5.8	801	310	SE	3.3	2,610	40	SW	4.6	6,930	101	W	16.9
2,970	110	WNW	6.2	990	325	SE	4.2	2,790	47	SW	4.6	7,110	96	W	15.8
3,150	109	WNW	6.5	1,170	334	SSE	5.1	2,970	55	SW	5.2	7,290	93	W	16.0
3,330	114	WNW	7.3	Disappearance: Behind St.				3,150	62	WSW	6.5	7,470	91	W	15.6
3,510	117	WNW	7.8	No. 14. Jan. 30, 1929; 9h 21m. Clouds: 1 A St WSW. Vis.: 7				3,330	67	WSW	8.3	7,650	94	W	15.8
3,690	113	WNW	7.8	Surface	68	WSW	1.3	3,510	67	WSW	10.0	7,830	99	W	15.8
3,870	115	WNW	8.0	216	57	WSW	6.7	3,690	66	WSW	10.5	8,010	101	W	15.5
4,050	124	NW	8.3	414	71	WSW	11.4	3,870	67	WSW	12.0	8,190	102	WNW	17.5
4,230	126	NW	9.8	612	64	WSW	10.3	4,050	70	WSW	13.7	8,370	97	W	19.8
4,410	126	NW	11.0	801	67	WSW	10.4	4,230	73	WSW	14.2	8,550	96	W	19.6
4,590	133	NW	11.5	990	69	WSW	10.2	4,410	73	WSW	14.9	8,730	102	WNW	16.6
4,770	132	NW	13.2	1,170	70	WSW	9.9	4,590	73	WSW	16.1	8,910	96	W	15.0
4,950	131	NW	14.4	1,350	74	WSW	9.8	4,770	73	WSW	17.2	9,090	89	W	14.0
5,130	135	NW	14.8	1,530	75	WSW	10.3	4,950	72	WSW	18.6	Disappearance: Distance.			
5,310	140	NW	14.9	1,710	78	WSW	10.7	5,130	71	WSW	20.4	No. 17. Feb. 1, 1929; 13h 17m. Clouds: 9 ASt NE, Few StCu ENE. Vis.: 5			
5,490	140	NW	15.0	1,890	83	W	10.0	5,310	72	WSW	23.3	Surface	296	ESE	3.6
5,670	138	NW	14.6	2,070	87	W	9.7	5,490	73	WSW	28.3	216	264	E	3.7
5,850	137	NW	13.5	2,250	90	W	9.8	5,670	74	WSW	30.0	414	262	E	2.8
6,030	131	NW	13.0	2,430	88	W	8.8	5,850	75	WSW	30.0	612	243	ENE	.8
6,210	122	WNW	12.4	2,610	77	WSW	9.5	6,030	76	WSW	31.7	801	22	SSW	.4
6,390	119	WNW	11.7	2,790	74	WSW	10.8	6,210	78	WSW	34.0	990	24	SSW	1.0
6,570	120	WNW	11.7	2,970	73	WSW	10.9	6,390	79	W	37.1	1,170	346	SSE	.9
6,750	119	WNW	11.3	3,150	71	WSW	10.4	6,570	79	W	39.2	1,350	324	SE	1.4
6,930	115	WNW	10.7	3,330	74	WSW	10.3	Disappearance: Distance.			1,530	320	SE	2.5	
7,110	108	WNW	10.6	3,510	74	WSW	11.8	No. 16. Jan. 31, 1929; 14h. Clouds: Few ASt (WSW?). Vis.: 7			1,710	320	SE	3.6	
7,290	102	WNW	10.9	3,690	70	WSW	12.6	Surface	Calm	-----	Calm	1,890	322	SE	3.6
7,470	87	W	10.5	3,870	68	WSW	13.8	216	316	SE	2.4	2,070	328	SSE	3.1
7,650	71	WSW	10.6	4,050	58	WSW	14.5	414	309	SE	3.7	2,250	333	SSE	2.1
7,830	70	WSW	10.9	4,230	55	SW	15.4	612	310	SE	6.1	2,430	327	SSE	1.2
8,010	70	WSW	11.0	4,410	61	WSW	17.3	801	328	SSE	7.4	2,610	319	SE	.7
Disappearance: Distance and fog.				4,590	61	WSW	19.1	990	345	SSE	6.3	2,790	267	E	.4
No. 12. Jan. 27, 1929; 8h 55m. Clouds: 2 ACu SW. Vis.: 7				4,770	60	WSW	18.9	1,170	350	S	5.3	2,856	224	NE	.7
Surface	355	S	4.0	4,950	60	WSW	19.0	1,350	355	S	4.9	Disappearance: Entered ASt, 2,856 m.			
216	349	S	11.6	5,130	62	WSW	21.9	1,530	359	S	4.7	No. 18. Feb. 2, 1929; 19h 30m. Clouds: 6 ASt WNW, 4 StCu W. Vis.: 7			
414	340	SSE	11.4	5,310	61	WSW	24.4	1,710	10	S	4.5	Surface	245	ENE	3.6
612	337	SSE	8.9	5,490	62	WSW	25.1	1,890	18	SSW	5.1	216	184	N	2.5
801	333	SSE	8.3	5,670	63	WSW	25.6	2,070	21	SSW	6.2	414	137	NW	4.3
990	338	SSE	9.4	5,850	63	WSW	29.0	2,250	21	SSW	6.7	612	118	WNW	6.8
1,170	344	SSE	9.8	6,030	63	WSW	28.9	2,430	20	SSW	6.5	801	96	W	8.8
1,350	349	S	9.2	6,210	64	WSW	27.0	2,610	13	SSW	6.2	990	89	W	9.3
1,530	352	S	8.5	6,390	64	WSW	30.0	2,790	8	S	6.1	1,125	91	W	8.7
1,710	5	S	7.9	6,570	64	WSW	28.4	2,970	14	SSW	5.1	Disappearance: Entered StCu, 1,125 m.			
1,890	23	SSW	8.3	6,750	64	WSW	28.5	3,150	29	SSW	5.0				
2,070	32	SSW	9.5	6,930	64	WSW	29.3	3,330	43	SW	6.7				
2,250	40	SW	10.3	7,110	65	WSW	27.3	3,510	47	SW	7.5				
2,430	50	SW	10.5	7,290	66	WSW	28.0	3,690	56	SW	7.3				
2,610	51	SW	9.9	Disappearance: Distance.				3,870	61	WSW	7.9				
								4,050	63	WSW	7.8				
								4,230	69	WSW	7.5				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 19. Feb. 4, 1929; 18h 48m. Clouds: Few Ci (0?), 2 AST SE. Vis.: 9				No. 20—Continued				No. 22—Continued				No. 25. Feb. 14, 1929; 16h 56m. Clouds: 7 ACu WNW, 1 StCu NE. Vis.: 8			
Surface	8	S	5.8	3,870	70	WSW	0.6	990	156	NNW	9.5	Surface	265	E	6.7
216	4	S	8.7	4,050	47	SW	1.8	1,170	151	NNW	8.5	216	258	ENE	6.7
414	348	SSE	6.9	4,230	44	SW	1.7	1,350	147	NNW	6.6	414	237	ENE	3.6
612	324	SE	6.9	4,410	67	WSW	1.7	1,530	139	NW	5.0	612	217	NE	2.8
801	328	SSE	6.4	4,590	64	WSW	2.1	1,710	136	NW	4.5	801	221	NE	3.6
990	346	SSE	5.2	4,770	44	SW	1.2	1,890	132	NW	4.2	990	214	NE	3.8
1,170	338	SSE	5.3	4,950	30	SSW	0.5	2,070	129	NW	3.4	1,170	205	NNE	3.1
1,350	327	SSE	4.8	5,130	76	WSW	0.8	2,250	135	NW	2.5	1,350	219	NE	3.0
1,530	335	SSE	3.6	5,310	84	W	1.4	2,430	149	NNW	3.0	1,530	221	NE	3.6
1,710	350	S	2.5	5,490	90	W	2.0	2,610	149	NNW	4.7	1,710	217	NE	4.4
1,890	328	SSE	1.5	5,670	103	WNW	2.2	2,790	144	NW	6.1	1,890	200	NNE	3.9
2,070	303	ESE	2.2	5,850	90	W	2.2	2,970	140	NW	6.5	2,070	170	N	2.6
2,250	311	SE	2.1	6,030	82	W	1.7	3,150	134	NW	6.5	2,250	183	N	2.2
2,430	343	SSE	1.3	6,210	162	NNW	1.5	3,330	127	NW	6.8	2,430	205	NNE	3.2
2,610	35	SW	1.9	6,390	172	N	2.2	3,510	122	WNW	8.2	2,610	195	NNE	3.1
2,790	64	WSW	1.7	6,570	199	NNE	1.2	3,690	119	WNW	9.2	2,790	159	NNW	3.2
2,970	96	W	1.6	6,750	212	NNE	1.3	3,870	119	WNW	9.6	2,970	123	WNW	4.3
3,150	128	NW	0.8	6,930	180	N	2.7	4,050	116	WNW	10.6	3,150	110	WNW	5.1
3,330	196	NNE	0.6	7,110	159	NNW	3.9	4,230	114	WNW	11.9	3,330	112	WNW	5.2
3,510	186	N	1.1	7,290	143	NW	4.2	4,410	115	WNW	12.8				
3,690	173	N	2.7	7,470	151	NNW	3.3	4,590	119	WNW	14.3				
3,870	164	NNW	3.1	7,650	175	N	3.1	4,770	118	WNW	16.1				
4,050	164	NNW	1.7	7,830	167	NNW	3.4	4,950	118	WNW	17.1				
4,230	200	NNE	1.6	8,010	161	NNW	2.9	5,130	119	WNW	19.3				
4,410	206	NNE	1.2	8,190	169	N	3.2	5,310	119	WNW	20.5				
4,590	105	WNW	0.8	8,370	172	N	3.5	5,490	119	WNW	22.5				
4,770	64	WSW	1.5	8,550	180	N	3.5	5,670	118	WNW	26.0				
4,950	22	SSW	1.8	8,730	172	N	4.5	5,850	118	WNW	26.8				
5,130	34	SW	1.2	8,910	156	NNW	5.3	6,030	116	WNW	28.0				
5,310	57	WSW	1.3	9,090	155	NNW	4.5	6,210	115	WNW	29.2				
5,490	16	SSW	1.8	9,270	166	NNW	4.3								
5,670	355	S	2.2	9,450	157	NNW	5.0								
5,850	9	S	2.2	9,630	155	NNW	4.6								
6,030	42	SW	2.7	9,810	150	NNW	3.8								
6,210	51	SW	3.6	9,990	138	NW	4.4								
6,390	35	SW	3.3	10,170	135	NW	5.6								
6,570	15	SSW	2.4												
6,750	19	SSW	1.9												
6,930	39	SW	2.4												
7,110	52	SW	3.5												
7,290	48	SW	3.1												
7,470	49	SW	2.4												
7,650	62	WSW	2.5												
Disappearance: Bursting.				Disappearance: Bursting.				Disappearance: Distance. St Cu are along the horizon.				Disappearance: Entered ACu, 3,285 m. Clouds were NE or ENE all day; changed in direction a few minutes before observation was started.			
No. 20. Feb. 5, 1929; 14h 58m. Clouds: 2 ACu S. Vis.: 9				No. 21. Feb. 6, 1929; 9h 14m. Clouds: 4 ACu W, 3 AST W, 1 Cu WNW. Vis.: 6.				No. 23. Feb. 11, 1929; 16h 30m. Clouds: 7AST NE, 3 StCu ENE. Vis.: 4. Drifting snow				No. 26. Feb. 15, 1929; 20h 12m. Clouds: 6 ACu WNW, 4 StCu NNW. Vis.: 6			
Surface	65	WSW	4.5	Surface	93	W	4.0	Surface	257	ENE	8.9	Surface	230	NE	2.2
216	27	SSW	6.4	216	97	W	8.0	216	240	ENE	13.1	216	147	NNW	2.5
414	23	SSW	5.8	414	104	WNW	9.0	414	236	NE	14.3	414	149	NNW	2.9
612	23	SSW	4.9	612	112	WNW	9.5	612	242	ENE	14.0	612	148	NNW	2.9
801	11	S	3.9	801	118	WNW	11.0	801	239	ENE	15.5	801	155	NNW	3.3
990	358	S	3.3	990	120	WNW	12.1	990	234	NE	18.3	990	159	NNW	3.3
1,170	356	S	3.2	1,170	118	WNW	12.4	1,170	227	NE	18.7	1,170	158	NNW	2.7
1,350	4	S	3.0	1,350	111	WNW	11.7	1,350	224	NE	14.3	1,350	161	NNW	2.4
1,530	9	S	2.8	1,530	100	W	10.5	1,530	231	NE	10.4				
1,710	2	S	2.1	1,710	99	W	10.6	1,710	240	ENE	10.0				
1,890	357	S	2.2	1,890	98	W	10.9	1,890	243	ENE	10.4				
2,070	7	S	2.5	2,070	91	W	10.7								
2,250	26	SSW	2.8												
2,430	45	SW	3.3												
2,610	60	WSW	3.4												
2,790	66	WSW	4.2												
2,970	74	WSW	4.9												
3,150	76	WSW	4.3												
3,330	79	W	2.5												
3,510	103	WNW	1.3												
3,690	122	WNW	0.7												
Disappearance: Entered ACu, 2,070 m. Heavy Cumulus forming over sea to north of Station, remaining nearly stationary.				Disappearance: Entered ACu, 2,070 m. Heavy Cumulus forming over sea to north of Station, remaining nearly stationary.				Disappearance: ?				Disappearance: Entered ACu, 1,350 m.			
No. 22. Feb. 6, 1929; 19h 14m. Clouds: 2 ACu NW, 1 StCu NW. Vis.: 7				No. 22. Feb. 6, 1929; 19h 14m. Clouds: 2 ACu NW, 1 StCu NW. Vis.: 7				No. 24. Feb. 13, 1929; 19h 30m. Clouds: 5 ACu NE, 4 StCu ENE. Vis.: 6				No. 27. Feb. 16, 1929; 15h 21m. Clouds: 3 ACu SW, 4 StCu WSW. Vis.: 8			
Surface	248	ENE	4.4	Surface	248	ENE	4.4	Surface	275	E	6.3	Surface	13	SSW	4.0
216	224	NE	5.4	216	224	NE	5.4	216	257	ENE	7.5	216	13	SSW	6.1
414	181	N	4.4	414	181	N	4.4	414	235	NE	6.1	414	43	SW	6.2
612	153	NNW	6.7	612	153	NNW	6.7	612	229	NE	5.9	612	68	WSW	8.0
801	152	NNW	9.3	801	152	NNW	9.3	801	225	NE	6.5	801	73	WSW	8.9
								990	225	NE	6.9	990	69	WSW	8.6
								1,170	236	NE	6.3	1,170	68	WSW	8.1
								1,350	259	E	5.5	1,350	68	WSW	8.4
								1,530	271	E	4.6	1,530	67	WSW	9.2
								1,710	236	NE	4.0	1,710	66	WSW	8.7
								1,890	215	NE	6.2	1,890	66	WSW	7.7
								2,070	217	NE	7.4	2,070	65	WSW	7.6
								2,250	221	NE	7.8	2,250	66	WSW	7.4
												2,430	69	WSW	7.1
												2,610	67	WSW	5.9
												2,790	71	WSW	5.2
												2,970	75	WSW	5.7
												3,150	72	WSW	6.0
												3,330	73	WSW	6.2
												3,510	79	W	6.1
												3,690	85	W	5.9

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 27—Continued				No. 28—Continued				No. 30. Feb. 18, 1929; 18h 50m. Clouds: 1 Ci WNW, 1 ACu WSW. Vis.: 8				No. 32. Feb. 19, 1929; 19h 16 m. Clouds: 0. Vis.: 8			
3, 870	82	W	4.1	5, 490	313	SE	1.5	Surface	277	E	4.5	Surface	292	ESE	4.5
4, 050	93	W	2.3	5, 670	328	SSE	1.0	216	274	E	13.1	216	313	SE	7.7
4, 230	120	WNW	3.5	5, 850	358	S	1.0	414	273	E	11.6	414	319	SE	9.3
4, 410	113	WNW	3.2	Disappearance: Cut off by very thin St. Very thin Stratus drifted in during the observation and cut off the balloon.				612	275	E	8.3	612	323	SE	9.5
4, 590	105	WNW	3.0					801	282	ESE	5.5	801	327	SSE	7.8
4, 770	91	W	2.7					990	298	ESE	3.8	990	340	SSE	6.3
4, 950	77	WSW	2.4					1, 170	320	SE	3.6	1, 170	351	S	7.2
5, 130	86	W	2.3					1, 350	320	SE	3.9	1, 350	350	S	10.6
5, 310	99	W	3.2	No. 29. Feb. 18, 1929; 7h 45m. Clouds: Few CiSt WNW. Vis.: 8				1, 530	325	SE	3.6	1, 530	347	SSE	13.6
5, 490	98	W	4.3	Surface	359	S	1.8	1, 710	357	S	4.2	1, 710	342	SSE	12.2
5, 670	129	NW	6.8		216	E	5.6	1, 890	14	SSW	5.5	1, 890	335	SSE	8.3
5, 850	144	NW	8.8		414	E	5.3	2, 070	27	SSW	3.7	2, 070	333	SSE	4.3
6, 030	143	NW	8.2		612	ESE	6.5	2, 250	118	WNW	1.2	2, 250	8	S	2.8
6, 210	142	NW	9.6		801	ESE	8.2	2, 430	150	NNW	3.6	2, 430	36	SW	3.0
6, 390	141	NW	10.2	990	318	SE	9.3	2, 610	148	NNW	5.7	2, 610	94	W	3.7
6, 570	140	NW	10.5	1, 170	326	SE	10.8	2, 790	144	NW	7.1	2, 790	114	WNW	5.7
6, 750	142	NW	11.8	1, 350	327	SSE	10.2	2, 970	134	NW	7.0	2, 970	120	WNW	6.5
6, 930	145	NW	12.6	1, 530	318	SE	6.3	3, 150	128	NW	6.3	3, 150	127	NW	8.4
7, 110	145	NW	13.4	1, 710	307	SE	3.1	3, 330	124	NW	6.4	3, 330	126	NW	9.3
7, 290	144	NW	14.5	1, 890	344	SSE	1.7	3, 510	126	NW	6.3	3, 510	127	NW	8.9
7, 470	147	NNW	15.2	2, 070	10	S	1.1	3, 690	134	NW	5.7	3, 690	132	NW	8.7
7, 650	149	NNW	14.8	2, 250	42	SW	1.0	3, 870	139	NW	5.4	3, 870	136	NW	8.8
7, 830	150	NNW	14.9	2, 430	75	WSW	1.3	Disappearance: Bursting.				4, 050	138	NW	8.9
8, 010	147	NNW	15.4	2, 610	108	WNW	1.1					4, 230	141	NW	9.0
8, 190	144	NW	15.0	2, 790	128	NW	1.6					4, 410	148	NNW	9.1
Disappearance: Cut off by ACu. The sky has been covered with StCu clouds all day, except a small strip along the southern horizon. About 15h the StCu moved out bodily toward the NE.				2, 970	129	NW	3.1					4, 590	150	NNW	8.7
				3, 150	126	NW	4.6	No. 31. Feb. 19, 1929; 8h 31m. Clouds: 0. Vis.: 4. Drift- ing snow.				4, 770	153	NNW	8.5
				3, 330	125	NW	5.0	Surface	278	E	8.1	4, 950	157	NNW	8.5
				3, 510	112	WNW	3.7	216	286	ESE	12.4	5, 130	154	NNW	8.4
				3, 690	115	WNW	4.8	414	289	ESE	11.6	5, 310	156	NNW	8.5
No. 28. Feb. 17, 1929; 7h 37m. Clouds: 1 Ast S, Few St S. Vis.: 7				3, 870	120	WNW	6.0	612	295	ESE	8.3	5, 490	162	NNW	8.9
Surface	28	SSW	3.6	4, 050	114	WNW	5.4	801	315	SE	5.4	5, 670	164	NNW	9.4
216	14	SSW	5.9	4, 230	115	WNW	6.2	990	326	SE	5.8	5, 850	162	NNW	9.6
414	5	S	5.5	4, 410	115	WNW	6.9	1, 170	325	SE	5.5	6, 030	158	NNW	9.8
612	1	S	7.3	4, 590	104	WNW	7.1	1, 350	317	SE	6.0	6, 210	156	NNW	10.1
801	359	S	10.2	4, 770	103	WNW	7.3	1, 530	326	SE	6.7	6, 390	158	NNW	10.3
990	354	S	13.4	4, 950	109	WNW	7.5	1, 710	338	SSE	8.3	6, 570	160	NNW	10.3
1, 170	355	S	16.5	5, 130	114	WNW	7.7	2, 070	339	SSE	11.3	6, 750	159	NNW	10.3
1, 350	357	S	17.4	5, 310	116	WNW	7.3	2, 250	336	SSE	12.5	6, 930	161	NNW	9.4
1, 530	357	S	14.8	5, 490	115	WNW	7.0	2, 430	325	SE	10.1	7, 110	164	NNW	9.7
1, 710	3	S	10.3	5, 670	114	WNW	6.8	2, 610	349	S	3.8	7, 290	159	NNW	10.8
1, 890	15	SSW	9.0	5, 850	113	WNW	7.2	2, 790	110	WNW	6.3	7, 470	162	NNW	10.5
2, 070	17	SSW	9.4	6, 030	117	WNW	7.6	2, 970	107	WNW	6.1	7, 650	162	NNW	12.0
2, 250	16	SSW	8.7	6, 210	117	WNW	7.6	3, 150	111	WNW	4.3	7, 830	158	NNW	9.4
2, 430	14	SSW	7.2	6, 390	118	WNW	7.5	3, 330	127	NW	3.3	8, 010	159	NNW	8.0
2, 610	9	S	7.2	6, 570	131	NW	7.7	3, 510	149	NNW	3.7	8, 190	162	NNW	7.6
2, 790	5	S	7.9	6, 750	132	NW	7.9	3, 690	153	NNW	4.7	8, 370	161	NNW	8.3
2, 970	1	S	6.7	6, 930	130	NW	7.9	3, 870	145	NW	5.4	8, 550	165	NNW	8.7
3, 150	0	S	6.0	7, 110	131	NW	7.9	4, 050	150	NNW	6.0	8, 730	169	N	8.9
3, 330	356	S	6.2	7, 290	133	NW	8.5	4, 230	151	NNW	6.2	8, 910	168	NNW	10.0
3, 510	351	S	6.5	7, 470	138	NW	9.2	4, 410	150	NNW	6.2	9, 090	167	NNW	9.8
3, 690	356	S	7.0	7, 650	140	NW	9.5	4, 590	148	NNW	5.9	9, 270	167	NNW	8.2
3, 870	357	S	5.5	7, 830	145	NW	9.4	4, 770	150	NNW	5.4	9, 450	167	NNW	7.6
4, 050	359	S	4.5	8, 010	152	NNW	9.8	4, 950	154	NNW	7.0	Disappearance: Bursting.			
4, 230	6	S	4.0	8, 190	153	NNW	10.4	5, 130	158	NNW	8.3				
4, 410	7	S	3.2	8, 370	152	NNW	11.7	5, 310	161	NNW	7.9				
4, 590	6	S	4.2	8, 550	154	NNW	13.8	5, 490	165	NNW	8.2				
4, 770	357	S	4.5	8, 730	152	NNW	13.4	5, 670	166	NNW	9.2	No. 33. Feb. 20, 1929; 8h 26m. Clouds: 3 CiSt NNW, Few ACu WNW, 2 StCu S. Vis.: 7			
4, 950	329	SSE	3.5	8, 910	150	NNW	11.3	5, 850	167	NNW	9.5	Surface	354	S	3.6
5, 130	312	SE	3.2	9, 090	147	NNW	9.5	6, 030	164	NNW	9.3	216	342	SSE	6.5
5, 310	321	SE	2.6	9, 270	144	NW	8.4	6, 210	158	NNW	9.6	414	339	SSE	7.1
Disappearance: Bursting.				Disappearance: Lost.				Disappearance: Lost.				612	338	SSE	8.0
												801	355	S	5.6
												990	42	SW	7.2
												1, 170	58	WSW	10.6
												1, 350	68	WSW	11.9

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 33—Continued				No. 35—Continued				No. 36—Continued				No. 37—Continued			
1,530	68	WSW	13.6	801	312	SE	6.8	1,170	295	ESE	11.0	6,210	161	NNW	11.4
1,710	77	WSW	13.9	990	312	SE	6.6	1,350	300	ESE	9.5	6,390	159	NNW	12.8
1,890	83	W	12.6	1,170	311	SE	6.6	1,530	309	SE	9.2	6,570	160	NNW	13.7
2,070	87	W	10.5	1,350	307	SE	7.0	1,710	309	SE	9.6	6,750	162	NNW	14.8
2,250	116	WNW	9.7	1,530	302	ESE	7.8	1,890	306	ESE	9.2	6,930	162	NNW	15.3
2,430	125	NW	11.4	1,710	297	ESE	8.5	2,070	303	ESE	8.8	7,110	162	NNW	15.3
2,610	119	WNW	13.6	1,890	297	ESE	7.8	2,250	308	SE	8.3	7,290	162	NNW	15.7
2,790	121	WNW	14.2	2,070	311	SE	7.8	2,430	314	SE	5.6	7,470	159	NNW	16.2
2,970	124	NW	14.3	2,250	312	SE	7.4	2,610	312	SE	2.5	7,650	155	NNW	17.5
3,150	119	WNW	13.1	2,430	303	ESE	5.3	2,790	306	SE	1.2	7,830	154	NNW	19.5
3,330	119	WNW	11.4	2,610	308	SE	3.7	2,970	36	SW	.8	8,010	154	NNW	20.1
3,510	129	NW	11.3	2,790	305	SE	2.7	3,150	84	W	2.2	8,190	155	NNW	19.9
3,690	132	NW	11.4	2,970	308	SE	2.1	3,330	105	WNW	3.2	8,370	156	NNW	17.6
3,870	136	NW	11.1	3,150	355	S	.2	3,510	109	WNW	3.9	8,550	159	NNW	14.5
4,050	143	NW	9.8	3,330	120	WNW	2.6	3,690	111	WNW	4.9	8,730	162	NNW	14.4
4,230	145	NW	10.1	3,510	116	WNW	4.4	3,870	108	WNW	5.7	8,910	160	NNW	12.8
4,410	141	NW	10.6	3,690	111	WNW	5.3	4,050	108	WNW	6.4	9,090	163	NNW	10.8
4,590	147	NNW	11.5	3,870	105	WNW	6.3	4,230	111	WNW	7.1	9,270	167	NNW	10.5
4,770	155	NNW	12.4	4,050	101	W	6.6	4,410	113	WNW	7.5	9,450	167	NNW	9.5
Disappearance: Entered CiSt, 4,770 m.				4,230	102	WNW	7.2	4,590	112	WNW	7.9	9,630	176	N	9.5
No. 34. Feb. 20, 1929; 22h 53m. Clouds: 1 Ci WNW, 1 StCu S. Vis.: 7				4,410	101	W	8.3	4,770	114	WNW	7.8	9,810	174	N	8.7
Surface	344	SSE	1.8	4,590	101	W	9.1	4,950	112	WNW	8.0	9,990	161	NNW	8.5
216	318	SE	4.4	4,770	107	WNW	10.1	5,130	106	WNW	9.0	10,170	161	NNW	9.6
414	315	SE	4.9	4,950	111	WNW	11.0	5,310	110	WNW	9.4	Disappearance: Bursting.			
612	309	SE	6.5	5,130	115	WNW	11.4	5,490	109	WNW	9.3	No. 38. Feb. 22, 1929; 20h 30m. Clouds: 3 CiSt NNW, 1 StCu (E?). Vis.: 7			
801	305	SE	6.3	5,310	113	WNW	11.8	5,670	112	WNW	10.0	Surface	17	SSW	4.5
990	317	SE	5.6	5,490	108	WNW	12.6	5,850	117	WNW	11.5	216	321	SE	10.0
1,170	334	SSE	7.4	5,670	110	WNW	13.8	6,030	118	WNW	11.8	414	312	SE	15.2
1,350	337	SSE	11.0	5,850	106	WNW	13.6	6,210	118	WNW	12.4	612	312	SE	13.8
1,530	335	SSE	12.8	6,030	102	WNW	13.5	6,390	118	WNW	12.4	801	323	SE	8.5
1,710	347	SSE	11.7	6,210	101	W	14.2	6,570	103	WNW	15.3	990	336	SSE	7.4
1,890	360	S	10.7	6,390	103	WNW	14.7	6,750	100	W	15.9	1,170	331	SSE	7.6
2,070	1	S	9.2	6,570	103	WNW	15.3	6,930	102	WNW	16.3	1,350	312	SE	7.3
2,250	4	S	7.4	6,750	100	W	15.9	7,110	101	W	18.9	1,530	300	ESE	6.3
2,430	10	S	6.8	7,110	101	W	18.9	7,290	99	W	22.8	1,710	292	ESE	4.2
2,610	9	S	6.8	7,290	99	W	22.8	7,470	99	W	26.8	1,890	277	E	2.7
2,790	7	S	6.7	7,470	99	W	26.8	7,650	99	W	29.9	2,070	259	E	2.4
2,970	14	SSW	4.4	7,650	99	W	29.9	7,830	99	W	30.4	2,250	225	NE	3.0
3,150	32	SSW	3.0	7,830	99	W	30.4	8,010	99	W	29.8	2,430	190	N	4.7
3,330	59	WSW	3.5	8,010	99	W	29.8	8,190	99	W	31.8	2,610	182	N	5.7
3,510	86	W	4.8	8,190	99	W	31.8	8,370	98	W	29.0	2,790	190	N	4.6
3,690	96	W	5.4	8,370	98	W	29.0	8,550	98	W	22.7	2,970	191	N	3.9
3,870	100	W	5.7	8,550	98	W	22.7	8,730	100	W	18.0	3,150	191	N	3.6
4,050	102	WNW	6.0	8,730	100	W	18.0	8,910	103	WNW	15.0	3,330	193	N	4.3
4,230	113	WNW	6.8	8,910	103	WNW	15.0	9,090	104	WNW	14.8	3,510	199	NNE	5.0
4,410	121	WNW	7.9	9,090	104	WNW	14.8	9,270	104	WNW	11.9	3,690	201	NNE	5.3
4,590	117	WNW	8.4	9,270	104	WNW	11.9	9,450	104	WNW	7.4	3,870	197	NNE	5.6
4,770	117	WNW	9.0	9,450	104	WNW	7.4	9,630	118	WNW	7.4	4,050	192	NNE	5.6
4,950	115	WNW	9.9	9,630	118	WNW	7.4	9,810	129	NW	7.1	4,230	186	N	5.8
5,130	112	WNW	10.3	9,810	129	NW	7.1	9,990	126	NW	6.7	4,410	177	N	6.0
5,310	117	WNW	10.2	9,990	126	NW	6.7	10,170	126	NW	7.9	4,590	173	N	6.7
5,490	121	WNW	10.3	10,170	126	NW	7.9	10,350	116	WNW	6.1	4,770	171	N	7.8
Disappearance: Bursting (?).				10,350	116	WNW	6.1	10,530	103	WNW	4.4	4,950	173	N	8.8
No. 35. Feb. 21, 1929; 8h 06m. Clouds: Few ASt WNW. Vis.: 8				10,530	103	WNW	4.4	10,710	129	NW	3.9	5,130	173	N	8.6
Surface	289	ESE	4.0	10,710	129	NW	3.9	10,890	140	NW	4.4	5,310	168	NNW	8.3
216	285	ESE	13.2	10,890	140	NW	4.4	Disappearance: Bursting (?).				5,490	168	NNW	8.8
414	287	ESE	16.5	No. 36. Feb. 21, 1929; 19h 40m. Clouds: 2 CiSt NW. Vis.: 7				Surface	290	ESE	4.5	5,670	170	N	9.9
612	302	ESE	8.2	Surface	290	ESE	4.5	216	310	SE	11.6	5,850	168	NNW	11.5
156657—39—10				216	310	SE	11.6	414	300	ESE	12.4	6,030	166	NNW	12.9
				414	300	ESE	12.4	612	294	ESE	12.5	6,210	166	NNW	13.5
				612	294	ESE	12.5	801	294	ESE	14.1				
				801	294	ESE	14.1	990	293	ESE	12.8				
				990	293	ESE	12.8								

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 39. Feb. 23, 1929; 9h 05m. Clouds: 6 Ci N, Few ACu NE. Vis.: 8.				No. 41. Feb. 24, 1929; 19h 30m. Clouds: 10 StCu NE. Vis.: 4. Lt. drift				No. 43—Continued				No. 46. Feb. 27, 1929; 8h 10m. Clouds: Few Ci (ENE?), 9 ACu NNW. Vis.: 8			
Surface	13	SSW	4.0	Surface	280	E	9.4	801	220	NE	13.4	Surface	7	S	2.2
216	355	S	5.4	216	258	ENE	18.4	990	232	NE	10.9	216	307	SE	8.1
414	328	SSE	6.8	414	247	ENE	19.4	1,170	238	ENE	9.0	414	296	ESE	12.0
612	328	SSE	10.2	612	243	ENE	18.6	1,350	235	NE	9.5	612	290	ESE	11.1
801	328	SSE	9.3	801	240	ENE	17.6	1,530	242	ENE	10.0	801	288	ESE	8.8
990	318	SE	7.7	990	236	NE	18.2	1,710	256	ENE	9.4	990	290	ESE	7.3
1,170	306	SE	7.3	1,170	235	NE	17.7	1,890	266	E	9.3	1,170	304	SE	6.6
1,350	291	ESE	7.2	1,350	235	NE	16.8	2,070	268	E	9.8	1,350	313	SE	6.7
1,530	285	ESE	6.8	1,530	237	ENE	15.5	2,250	264	E	9.6	1,530	297	ESE	5.8
1,710	288	ESE	5.3	1,710	241	ENE	14.3	2,430	270	E	8.8	1,710	274	E	5.2
1,890	292	ESE	4.5	1,890	243	ENE	14.5	2,610	271	E	9.7	1,890	258	ENE	5.5
2,070	285	ESE	4.4	2,070	240	ENE	13.1	2,790	268	E	8.9	2,070	245	ENE	5.0
2,250	277	E	4.1	2,160	235	NE	10.0	2,970	264	E	4.5	2,250	236	NE	4.9
2,430	266	E	4.4	Disappearance: Entered StCu, 2,160 m.				3,150	228	NE	0.8	2,430	249	ENE	4.4
2,610	257	ENE	4.8	No. 42. Feb. 25, 1929; 8h 15m. Clouds: 2 CiSt NW, 2 ACu N, 4 StCu ENE. Vis.: 7				3,330	71	WSW	0.8	2,610	268	E	3.0
2,790	246	ENE	3.7	Surface	266	E	5.4	3,510	28	SSW	1.3	2,790	264	E	2.2
2,970	239	ENE	2.4	216	228	NE	12.4	3,690	19	SSW	1.4	2,970	257	ENE	1.3
3,150	238	ENE	3.0	414	220	NE	12.5	Disappearance: Entered Ast, 3,690 m.				3,150	180	N	.7
3,330	229	NE	3.5	612	226	NE	9.5	No. 44. Feb. 26, 1929; 8h 40m. Clouds: 9 Ast E, Few St ENE. Vis.: 6				3,330	156	NNW	1.7
3,510	218	NE	3.6	801	240	ENE	9.1	Surface	288	ESE	7.1	3,510	156	NNW	1.9
3,690	214	NE	5.0	990	242	ENE	10.2	216	284	ESE	10.9	Disappearance: Entered ACu, 3,510 m.			
3,870	213	NNE	6.4	1,170	242	ENE	9.5	414	276	E	8.0	No. 47. Feb. 27, 1929; 19h 23m. Clouds: 1 Ci NE, 8 StCu NE. Vis.: 7			
4,050	215	NE	6.3	1,350	247	ENE	9.7	612	275	E	6.2	Surface	266	E	3.1
4,230	223	NE	5.8	1,530	256	ENE	11.2	801	268	E	4.5	216	257	ENE	5.7
4,410	227	NE	6.3	1,710	257	ENE	12.1	990	236	NE	3.7	414	184	N	3.8
4,590	215	NE	6.4	1,890	254	ENE	11.6	1,170	239	ENE	3.3	612	187	N	4.5
4,770	208	NNE	6.9	2,070	247	ENE	12.1	1,350	266	E	3.8	801	205	NNE	4.6
4,950	210	NNE	7.8	2,250	248	ENE	13.8	1,395	266	E	4.0	891	216	NE	4.4
5,130	211	NNE	7.9	2,430	253	ENE	14.3	Disappearance: Entered Ast, 1,395 m.				Disappearance: Entered StCu, 891 m.			
5,310	213	NNE	7.5	2,610	257	ENE	13.4	No. 45. Feb. 26, 1929; 20h 18m. Clouds: Few CiSt ENE, 9 Ast NNE. Vis.: 7				Surface	290	ESE	4.0
5,490	205	NNE	6.8	2,790	256	ENE	12.2	Surface	356	S	3.1	216	320	SE	2.4
5,670	195	NNE	6.9	2,970	253	ENE	11.3	216	304	SE	7.8	414	50	SW	2.8
5,850	191	N	7.8	3,150	255	ENE	9.5	414	297	ESE	10.5	612	73	WSW	3.1
6,030	194	NNE	8.9	3,330	257	ENE	8.8	612	296	ESE	8.0	801	95	W	2.9
6,210	193	NNE	9.5	3,510	259	E	10.4	801	305	SE	5.9	990	116	WNW	3.1
6,390	193	NNE	9.5	3,690	260	E	8.1	990	295	ESE	5.8	1,125	128	NW	3.4
6,570	195	NNE	9.2	3,870	243	ENE	3.8	1,170	280	E	6.6	Disappearance: Entered StCu, 1,125 m.			
6,750	194	NNE	9.0	4,050	184	N	2.3	1,350	277	E	6.9	No. 49. Feb. 28, 1929; 19h 52m. Clouds: 9 St NNE. Vis.: 7			
6,930	192	NNE	9.5	4,230	189	N	2.3	1,530	282	ESE	6.9	Surface	287	ESE	4.0
7,110	187	N	9.7	4,410	217	NE	3.8	1,710	282	ESE	6.9	216	240	ENE	3.0
7,290	184	N	9.9	4,590	214	NE	5.7	1,890	274	E	7.3	414	212	NNE	2.4
7,470	183	N	10.6	4,770	233	NE	7.9	2,070	273	E	8.0	612	195	NNE	2.2
7,650	184	N	11.6	4,950	243	ENE	9.5	2,250	274	E	8.5	801	199	NNE	2.3
7,830	184	N	12.4	5,130	239	ENE	9.9	2,430	271	E	8.9	864	203	NNE	2.4
8,010	184	N	12.2	5,310	231	NE	10.6	2,610	264	E	8.9	Disappearance: Entered St, 864 m.			
8,190	183	N	11.6	5,490	219	NE	8.0	2,790	257	ENE	7.3				
8,370	180	N	11.6	5,670	216	NE	8.3	2,970	249	ENE	5.4				
8,550	172	N	11.6	5,850	214	NE	9.7	3,150	241	ENE	4.2				
8,730	180	N	11.3	6,030	207	NNE	8.2	3,330	220	NE	3.7				
8,910	184	N	12.2	Disappearance: Bursting.				3,510	200	NNE	4.1				
9,090	180	N	10.9	No. 40. Feb. 23, 1929; 20h 09m. Clouds: 4 Ast (NE?), 5 St SE. Vis.: 4.				3,690	197	NNE	4.0				
9,270	181	N	10.4	Surface	318	SE	4.0	Disappearance: Cut off by ACu.							
9,450	178	N	10.8	216	312	SE	6.7	No. 43. Feb. 25, 1929; 20h 10m. Clouds: 2 CiSt NE, 5 Ast SSW, 2 St NE. Vis.: 7.							
Disappearance: Entered St, 216 m.				Surface	268	E	4.9	Surface							
				216	241	ENE	9.2	216	241	ENE	9.2				
				414	220	NE	10.9	414	220	NE	10.9				
				612	216	NE	13.2	612	216	NE	13.2				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 50. Mar. 1, 1929; 18h 50m. Clouds: 3 Ci ENE, 6 St N. Vis.: 3. Moderate drift															
Surface	270	E	7.6	No. 53—Continued				No. 56. Mar. 7, 1929; 20h 20m. Clouds: 4 CiSt NNW, 5 ACu NNW. Vis.: 7				No. 58—Continued			
216	273	E	15.0	1,170	218	NE	3.5	Surface	249	ENE	4.5	990	102	WNW	10.3
414	262	E	10.4	1,350	206	NNE	3.8	216	197	NNE	5.1	1,170	103	WNW	10.4
612	226	NE	5.1	1,530	194	NNE	2.6	414	170	N	5.7	1,350	104	WNW	14.1
801	187	N	4.6	1,710	169	N	1.5	612	169	N	4.5	1,530	104	WNW	17.5
Disappearance: Entered St, 801 m.				1,890	169	N	2.1	801	166	NNW	3.0	Disappearance: Darkness.			
No. 51. Mar. 3, 1929; 8h 45m. Clouds: 10 StCu NW. Vis.: 7				2,070	165	NNW	4.4	990	196	NNE	1.4	No. 59. Mar. 10, 1929; 12h 51m. Clouds: 1 ACu W. Vis.: 7. 22° and 46° haloes vis- ible during observation; also upper tangent arc to 22° halo			
Surface	14	SSW	4.9	2,250	168	NNW	5.2	1,170	240	ENE	2.2	Surface	60	WSW	5.4
216	6	S	8.5	2,430	165	NNW	5.1	1,350	230	NE	3.4	216	64	WSW	12.7
414	8	S	11.5	2,610	156	NNW	6.4	1,530	218	NE	4.6	414	62	WSW	16.5
612	27	SSW	10.0	2,790	150	NNW	6.9	1,710	210	NNE	5.2	612	67	WSW	17.7
801	56	SW	6.4	2,970	144	NW	7.5	1,890	202	NNE	5.0	801	70	WSW	19.3
990	89	W	4.1	3,150	134	NW	9.0	2,070	194	NNE	4.6	990	72	WSW	20.0
1,170	120	WNW	4.9	3,330	128	NW	10.0	2,250	171	N	4.7	1,170	75	WSW	20.9
1,350	120	WNW	6.4	Disappearance: Behind ACu.				2,430	149	NNW	5.2	1,350	77	WSW	22.4
1,530	126	NW	7.1	No. 54. Mar. 5, 1929; 9h. Clouds: 10 St NE. Vis.: 4. Lt. snow				2,610	149	NNW	4.2	1,530	78	WSW	20.6
1,710	132	NW	6.9	Surface	267	E	6.7	2,790	177	N	2.9	1,710	72	WSW	18.9
1,845	137	NW	6.1	216	222	NE	8.4	2,970	207	NNE	3.5	1,890	68	WSW	18.9
Disappearance: Entered StCu, 1,845 m.				414	201	NNE	9.8	3,150	194	NNE	4.0	2,070	68	WSW	18.2
No. 52. Mar. 3, 1929; 20h 06m. Clouds: 2 CiSt, 7 StCu WNW. Vis.: 8				612	209	NNE	10.8	3,330	186	N	4.1	2,250	66	WSW	16.3
Surface	353	S	1.3	801	216	NE	11.4	3,510	185	N	5.8	2,430	66	WSW	15.0
216	356	S	5.1	846	222	NE	11.2	3,690	174	N	6.0	2,610	70	WSW	16.3
414	360	S	3.0	Disappearance: Entered St, 846 m.				3,870	158	NNW	9.0	2,790	71	WSW	16.4
612	7	S	2.6	No. 55. Mar. 7, 1929; 8h 40m. Clouds: 5 CiSt ESE, 3 ACu ENE. Vis.: 9. Parhelia of 22° halo visible during ob- servation. Also small arc of 46° halo				4,050	146	NW	8.8	2,970	75	WSW	16.1
801	19	SSW	2.4	Surface	66	WSW	1.8	4,230	149	NNW	7.5	3,150	80	W	15.6
990	53	SW	1.3	216	110	WNW	0.6	4,410	156	NNW	7.5	3,330	82	W	13.7
1,170	95	W	2.9	414	315	SE	3.3	4,590	162	NNW	9.4	3,510	86	W	13.0
1,350	105	WNW	4.8	612	318	SE	7.5	4,770	165	NNW	10.7	3,690	86	W	12.5
1,530	106	WNW	5.5	801	313	SE	8.5	Disappearance: Entered ACu, 4,950 m.				3,870	83	W	12.4
1,710	94	W	6.2	990	314	SE	6.1	No. 57. Mar. 8, 1929; 14h 30m. Clouds: 2 Ci WNW, 1 StCu WNW. Vis.: 9				4,050	81	W	13.4
1,890	97	W	7.0	1,170	349	S	3.6	Surface	94	W	4.0	4,230	85	W	14.7
2,070	96	W	9.5	1,350	3	S	5.2	216	85	W	7.4	4,410	85	W	14.7
2,250	93	W	11.6	1,530	5	S	7.7	414	94	W	9.3	4,590	84	W	15.4
2,430	102	WNW	11.9	1,710	3	S	8.2	612	97	W	12.0	4,770	82	W	16.2
2,610	117	WNW	13.0	1,890	336	SSE	6.9	801	99	W	13.9	4,950	83	W	15.7
2,790	123	WNW	13.2	2,070	321	SE	8.6	990	107	WNW	13.5	5,130	88	W	16.0
2,970	120	WNW	12.6	2,250	323	SE	9.9	1,170	116	WNW	13.5	5,310	85	W	16.0
3,150	119	WNW	12.5	2,430	319	SE	9.2	1,350	112	WNW	14.5	5,490	82	W	17.3
Disappearance: Cut off by StCu. Ci Clouds close to hori- zon.				2,610	305	SE	7.9	1,530	111	WNW	15.5	5,670	86	W	18.5
No. 53. Mar. 4, 1929; 8h 08m. Clouds: 5 ASt NW, 4 ACu NW. Vis.: 5. Drifting snow				2,790	292	ESE	7.3	1,710	113	WNW	15.6	5,850	87	W	18.5
Surface	280	E	8.1	2,970	288	ESE	6.4	1,890	118	WNW	16.5	6,030	88	W	19.2
216	273	E	12.5	3,150	284	ESE	5.8	2,070	117	WNW	18.8	6,210	91	W	18.5
414	266	E	9.5	3,330	277	E	6.0	2,250	119	WNW	21.0	6,390	94	W	17.2
612	260	E	7.1	3,510	273	E	5.9	2,430	124	NW	22.3	Disappearance: Distance.			
801	243	ENE	4.3	3,690	270	E	6.0	2,610	127	NW	22.5	No. 60. Mar. 11, 1929; 19h 01m. Clouds: 2 StCu WNW. Vis.: 9			
990	224	NE	3.2	3,870	262	E	6.1	2,790	128	NW	22.5	Surface	5	S	1.8
Disappearance: Entered CiSt, 4,950 m.				4,050	257	ENE	5.1	2,970	128	NW	23.1	216	342	SSE	6.1
No. 58. Mar. 8, 1929; 21h 17m. Clouds: 2 ASt WNW. Vis.: 9				4,230	274	E	4.3	3,150	124	NW	23.2	414	341	SSE	4.4
Surface	Calm	-----	Calm	4,410	287	ESE	5.0	3,330	124	NW	23.2	612	66	WSW	3.4
216	88	W	4.4	4,590	289	ESE	4.7	3,510	122	WNW	24.4	801	101	W	7.7
414	99	W	7.6	4,770	287	ESE	4.6	4,770	124	NW	25.6	990	109	WNW	10.0
612	100	W	9.8	Disappearance: Distance. Cirrus moving rapidly.				Disappearance: Distance.				1,170	111	WNW	10.5
801	101	W	10.5	No. 59. Mar. 10, 1929; 12h 51m. Clouds: 1 ACu W. Vis.: 7. 22° and 46° haloes vis- ible during observation; also upper tangent arc to 22° halo				No. 60. Mar. 11, 1929; 19h 01m. Clouds: 2 StCu WNW. Vis.: 9				1,350	115	WNW	8.9
Disappearance: Lost from field.				No. 60. Mar. 11, 1929; 19h 01m. Clouds: 2 StCu WNW. Vis.: 9				No. 61. Mar. 12, 1929; 19h 01m. Clouds: 2 StCu WNW. Vis.: 9				1,530	113	WNW	7.0

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 61. Mar. 13, 1929; 8h 20m. Clouds: 4 ASt SE, 5 St SE. Vis.: 5															
Surface	3	S	5.4	No. 63—Continued				No. 65—Continued				No. 68. Mar. 20, 1929; 15h 58m. Clouds: 6 ASt N, 3 St NE. Vis.: 7			
216	307	SE	10.7	3,870	80	W	18.2	1,710	152	NNW	2.6	Surface	273	E	8.1
414	299	ESE	13.3	4,050	76	WSW	17.5	1,890	154	NNW	3.7	216	223	NE	15.8
612	300	ESE	11.1	4,230	73	WSW	16.7	2,070	157	NNW	3.4	414	209	NNE	15.8
801	306	SE	10.0	4,410	74	WSW	16.4	2,250	143	NW	4.3	612	195	NNE	14.9
990	306	SE	10.6	4,590	74	WSW	16.1	2,430	133	NW	5.2	801	196	NNE	16.3
Disappearance: Cut off by St.				4,770	73	WSW	16.1	2,610	136	NW	5.2	990	199	NNE	17.5
No. 62. Mar. 16, 1929; 18h 18m. Clouds: 4 ASt N, 5 StCu NW. Vis.: 8				4,950	72	WSW	16.0	2,790	139	NW	5.1	1,170	202	NNE	15.8
Surface	34	SW	5.4	5,130	73	WSW	13.6	2,970	132	NW	5.5	1,350	206	NNE	14.3
216	32	SSW	13.2	5,310	75	WSW	12.2	3,150	127	NW	6.4	1,530	210	NNE	13.8
414	34	SW	14.0	5,490	82	W	14.1	3,330	122	WNW	6.4	1,710	219	NE	14.3
612	39	SW	11.8	5,670	88	W	14.4	3,510	120	WNW	5.7	1,890	221	NE	14.4
801	45	SW	10.7	5,850	87	W	15.1	3,690	121	WNW	5.6	2,070	211	NNE	15.4
990	45	SW	8.7	6,030	87	W	15.6	Disappearance: Entered ASt, 3,690 m.				2,250	198	NNE	18.1
1,170	57	WSW	6.2	6,210	86	W	15.6	No. 66. Mar. 19, 1929; 17 h 19m. Clouds: 10 ASt NNW. Vis.: 7. Lt. drift				2,430	195	NNE	19.6
1,350	86	W	4.2	6,390	88	W	16.5	Surface	259	E	8.9	2,610	193	NNE	20.5
1,530	130	NW	3.4	6,570	90	W	16.8	216	258	ENE	7.9	2,790	191	N	20.8
1,710	150	NNW	4.2	6,750	90	W	18.8	414	222	ENE	4.2	2,970	189	N	21.3
1,890	161	NNW	5.8	6,930	95	W	18.3	612	221	NE	5.5	3,150	189	N	22.4
2,070	166	NNW	8.4	7,110	98	W	16.9	801	228	NE	6.5	3,330	190	N	22.0
2,250	164	NNW	9.6	7,290	97	W	16.4	990	226	NE	6.4	3,510	187	N	21.1
2,430	161	NNW	9.4	7,470	105	WNW	15.6	1,170	221	NE	7.2	3,690	184	N	20.6
2,610	157	NNW	9.8	7,650	114	WNW	15.6	1,350	218	NE	7.9	Disappearance: Entered ASt, 3,690 m.			
2,790	156	NNW	9.6	Disappearance: Distance.				1,530	208	NNE	6.5	No. 69. Mar. 21, 1929; 11h 35m. Clouds: 8 CiSt NE, 2 ASt NE. Vis.: 7			
2,970	163	NNW	8.8	No. 64. Mar. 18, 1929; 18h 47m. Clouds: 1 Ci (W?), 1 ACu, W, 2 StCu ENE. Vis.: 8				1,710	191	N	4.2	Surface	274	E	8.1
3,150	175	N	8.6	Surface	245	ENE	5.4	1,890	180	N	1.9	216	280	E	7.9
3,330	179	N	9.3	216	256	ENE	15.5	2,070	177	N	1.7	414	252	ENE	2.8
3,510	175	N	10.8	414	240	ENE	10.2	2,250	179	N	3.3	612	251	ENE	4.0
3,690	163	NNW	11.4	612	203	NNE	5.5	2,430	180	N	4.2	801	242	ENE	5.4
3,870	155	NNW	10.2	801	204	NNE	5.4	2,610	185	N	4.9	990	235	NE	6.5
4,050	157	NNW	9.4	990	214	NE	5.9	2,790	178	N	5.5	1,170	233	NE	6.7
4,230	162	NNW	9.2	1,170	207	NNE	5.1	2,970	170	N	6.1	1,350	229	NE	7.3
4,410	166	NNW	9.2	1,350	170	N	2.9	3,150	168	NNW	7.1	1,530	225	NE	9.4
Disappearance: Behind ASt.				1,530	130	NW	2.9	3,330	168	NNW	8.3	1,710	227	NE	10.0
No. 63. Mar. 17, 1929; 11h 27m. Clouds: Few Ci W, 1 StCu WSW. Vis.: 9				1,710	140	NW	3.1	3,510	166	NNW	9.5	1,890	230	NE	9.2
Surface	36	SW	1.8	1,890	200	NNE	1.8	3,690	159	NNW	10.6	2,070	235	NE	8.3
216	66	WSW	7.7	2,070	256	ENE	2.1	3,870	158	NNW	10.8	2,250	247	ENE	7.8
414	80	W	9.7	2,250	242	ENE	1.0	4,050	163	NNW	10.3	2,430	257	ENE	8.5
612	87	W	9.9	2,430	102	WNW	1.8	4,230	167	NNW	11.6	2,610	256	ENE	9.8
801	89	W	9.7	2,610	102	WNW	3.6	4,410	168	NNW	12.5	2,790	251	ENE	10.8
990	89	W	9.4	2,790	106	WNW	4.0	4,590	173	N	13.4	2,970	251	ENE	12.0
1,170	82	W	10.2	2,970	97	W	4.3	4,770	176	N	14.9	3,150	247	ENE	11.5
1,350	83	W	11.9	3,150	91	W	4.9	4,950	170	N	15.3	3,330	243	ENE	9.2
1,530	89	W	11.6	3,330	85	W	4.8	5,130	167	NNW	15.0	3,510	238	ENE	8.2
1,710	88	W	10.8	3,510	80	W	4.6	Disappearance: Entered ASt, 5130 m.				3,690	233	NE	9.5
1,890	80	W	12.5	3,690	88	W	4.9	No. 67. Mar. 20, 1929; 8h 35m. Clouds: 10 St NE. Vis.: 3. Lt. snow during the observa- tion. Lt. drift				3,870	231	NE	10.2
2,070	78	WSW	14.8	3,870	93	W	5.2	Surface	260	E	6.3	4,050	228	NE	9.7
2,250	78	WSW	15.5	4,050	90	W	5.4	216	230	NE	13.9	4,230	229	NE	10.3
2,430	74	WSW	16.4	Disappearance: Behind StCu.				414	217	NE	14.2	4,410	233	NE	11.0
2,610	73	WSW	15.9	No. 65. Mar. 19, 1929; 9h 45m. Clouds: 2 CiSt (WNW?), 7 ASt WNW. Vis.: 8				612	221	NE	3.8	Disappearance: Entered CiSt, 4,410 m.			
2,790	74	WSW	18.5	Surface	265	E	9.4	801	271	E	1.9	No. 70. Mar. 22, 1929; 5h 50m. Clouds: 9 CiSt NNE. Vis.: 9			
2,970	74	WSW	16.9	216	264	E	11.9	990	306	SE	3.5	Surface	320	SE	1.8
3,150	75	WSW	16.5	414	239	ENE	7.3	1,170	307	SE	3.2	216	309	SE	4.6
3,330	75	WSW	17.0	612	221	NE	3.8	1,350	307	SE	2.5	414	318	SE	2.2
3,510	78	WSW	17.5	801	271	E	1.9	1,530	275	E	0.9	612	72	WSW	1.8
3,690	82	W	18.2	990	306	SE	3.5	Disappearance: Entered St, 474 m.				801	49	SW	1.2
				1,170	307	SE	3.2	Surface	260	E	6.3	990	317	SE	1.0
				1,350	307	SE	2.5	216	230	NE	13.9				
				1,530	275	E	0.9	414	217	NE	14.2				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 70—Continued				No. 71—Continued				No. 72—Continued				No. 75. Mar. 29, 1929; 15h 10m. Clouds: 9 ASt WNW, 1 St NNE. Vis.: 5			
1, 170	311	SE	1.0	5, 130	202	NNE	12.9	7, 650	199	NNE	10.6	Surface	270	E	4.0
1, 350	314	SE	1.5	5, 310	197	NNE	13.0	7, 830	196	NNE	9.6	216	192	NNE	4.0
1, 530	307	SE	2.7	5, 490	197	NNE	12.8	8, 010	205	NNE	8.8	414	153	NNW	5.3
1, 710	296	ESE	3.9	5, 670	196	NNE	12.3	8, 190	218	NE	9.3	612	139	NW	6.9
1, 890	290	ESE	4.7	5, 850	193	NNE	12.1	8, 370	222	NE	9.3	801	141	NW	9.2
2, 070	285	ESE	5.2	6, 030	193	NNE	11.9	8, 550	225	NE	8.9	990	141	NW	9.2
2, 250	278	E	5.9	6, 210	193	NNE	12.0	8, 730	224	NE	7.8	1, 170	142	NW	7.7
2, 430	266	E	6.9	6, 390	194	NNE	13.2	8, 910	214	NE	4.7	1, 350	155	NNW	4.3
2, 610	264	E	6.5	6, 570	193	NNE	13.1	9, 090	206	NNE	4.9	1, 530	174	N	2.9
2, 790	268	E	5.3	6, 750	189	N	12.4	9, 270	201	NNE	4.4	1, 710	154	NNW	2.9
2, 970	262	E	4.9	6, 930	187	N	12.8	9, 450	163	NNW	2.8	1, 890	115	WNW	2.8
3, 150	250	ENE	4.3	7, 110	190	N	12.9	Disappearance: Distance.				2, 070	104	WNW	3.4
3, 330	245	ENE	4.6	7, 290	187	N	13.3	No. 73. Mar. 23, 1929; 17h 39m. Clouds: 2 ACu NE, 2 ASt NE. Vis.: 7				Disappearance: Entered A St, 2,070 m.			
3, 510	258	ENE	5.0	7, 470	185	N	13.2	Surface 31 SSW 2.2				No. 76. Mar. 31, 1929; 15h 44m. Clouds: Few ASt. Vis.: 8			
3, 690	263	E	6.4	7, 650	184	N	12.8	216	309	SE	5.8	Surface	299	ESE	3.1
3, 870	250	ENE	7.8	7, 830	183	N	13.5	414	313	SE	6.1	216	288	ESE	8.9
4, 050	239	ENE	8.0	8, 010	182	N	13.7	612	323	SE	6.5	414	280	E	8.9
4, 230	238	ENE	8.5	8, 190	177	N	13.2	801	306	SE	9.6	612	268	E	7.4
4, 410	234	NE	8.2	8, 370	177	N	11.2	990	301	ESE	10.8	801	274	E	5.9
4, 590	232	NE	9.4	8, 550	176	N	9.8	1, 170	305	SE	9.8	990	290	ESE	6.0
4, 770	229	NE	9.5	Disappearance: Distance.				1, 350	304	SE	8.7	1, 170	306	SE	6.5
4, 950	230	NE	9.6	No. 72. Mar. 23, 1929; 9h 09m. Clouds: Few Ci NNE. Vis.: 9				1, 530	298	ESE	8.3	1, 350	309	SE	7.2
5, 130	227	NE	10.1	Surface 23 SSW 2.2				1, 710	298	ESE	8.3	1, 530	308	SE	8.5
5, 310	219	NE	11.3	216 348 SSE 3.7				1, 890	300	ESE	8.1	1, 710	314	SE	8.3
5, 490	215	NE	13.0	414 314 SE 7.8				2, 070	300	ESE	7.7	1, 890	322	SE	7.1
5, 670	215	NE	13.3	612 308 SE 10.6				2, 250	292	ESE	8.0	2, 070	332	SSE	7.3
5, 850	216	NE	12.9	801 312 SE 8.9				2, 430	284	ESE	7.8	2, 250	332	SSE	8.4
6, 030	213	NNE	13.6	990 320 SE 7.4				2, 610	273	E	6.7	2, 430	330	SSE	9.0
6, 210	210	NNE	14.0	1, 170 316 SE 7.5				2, 790	265	E	6.3	2, 610	334	SSE	9.1
6, 390	208	NNE	14.3	1, 350 307 SE 8.3				2, 970	258	ENE	6.1	Disappearance: Local smoke.			
6, 570	207	NNE	14.9	1, 530 301 ESE 8.4				3, 150	248	ENE	6.2	No. 77. Apr. 1, 1929; 9h 01m. Clouds: Few ASt SW. Vis.: 9			
6, 750	208	NNE	16.8	1, 710 297 ESE 8.4				3, 330	248	ENE	6.0	Surface	0	S	1.8
6, 930	208	NNE	17.6	1, 890 289 ESE 8.8				3, 510	249	ENE	6.3	216	330	SSE	3.4
Disappearance: Entered CiSt, 6,930 m.				2, 070 283 ESE 9.2				3, 690	243	ENE	7.1	414	334	SSE	5.5
No. 71. Mar. 22, 1929; 16h 50m. Clouds: 4 Ci NNE. Vis.: 9				2, 250 280 E 9.3				3, 870	237	ENE	6.3	612	346	SSE	6.0
Surface	356	S	3.1	2, 430 276 E 9.4				4, 050	234	NE	5.5	801	348	SSE	5.8
216	329	SSE	4.3	2, 610 269 E 9.6				Disappearance: Darkness.				990	337	SSE	5.0
414	322	SE	6.1	2, 790 260 E 9.4				No. 74. Mar. 24, 1929; 8h 56m. Clouds: 3 ACu E, 6 StCu NE. Vis.: 6				1, 170	349	S	5.3
612	334	SSE	7.2	2, 970 255 ENE 8.5				Surface	232	NE	6.7	1, 350	355	S	8.6
801	333	SSE	7.8	3, 150 246 ENE 7.6				216	201	NNE	13.0	1, 530	358	S	10.5
990	327	SSE	8.4	3, 330 236 NE 8.1				414	195	NNE	22.2	1, 710	3	S	10.6
1, 170	328	SSE	7.8	3, 510 235 NE 8.9				612	195	NNE	24.5	1, 890	6	S	11.0
1, 350	338	SSE	6.4	3, 690 233 NE 6.5				801	194	NNE	18.3	2, 070	8	S	11.1
1, 530	350	S	6.3	3, 870 229 NE 7.2				990	194	NNE	14.9	2, 250	12	SSW	10.3
1, 710	354	S	6.1	4, 050 229 NE 6.5				1, 170	192	NNE	13.2	2, 430	13	SSW	9.8
1, 890	348	SSE	4.6	4, 230 235 NE 8.4				1, 350	191	N	12.5	2, 610	14	SSW	10.0
2, 070	336	SSE	3.4	4, 410 232 NE 9.0				1, 530	192	NNE	12.7	2, 790	12	SSW	10.2
2, 250	323	SE	2.9	4, 590 227 NE 9.5				1, 710	195	NNE	11.1	2, 970	13	SSW	10.5
2, 430	283	ESE	3.1	4, 770 222 NE 9.4				1, 890	211	NNE	8.2	3, 150	17	SSW	10.7
2, 610	257	ENE	3.9	4, 950 219 NE 9.0				2, 070	225	NE	10.2	3, 330	20	SSW	10.3
2, 790	229	NE	4.9	5, 130 219 NE 9.5				2, 250	225	NE	12.3	3, 510	23	SSW	9.9
2, 970	220	NE	6.9	5, 310 214 NE 9.2				2, 430	223	NE	12.7	3, 690	30	SSW	7.8
3, 150	221	NE	8.0	5, 490 210 NNE 9.9				Disappearance: Entered St- Cu, 2430 m.				3, 870	35	SW	7.2
3, 330	215	NE	8.8	5, 670 209 NNE 11.2								4, 050	44	SW	6.3
3, 510	210	NNE	9.4	5, 850 209 NNE 11.7								4, 230	55	SW	6.0
3, 690	212	NNE	9.7	6, 030 209 NNE 12.4								4, 410	58	WSW	6.3
3, 870	212	NNE	10.1	6, 210 199 NNE 14.0											
4, 050	208	NNE	10.2	6, 390 199 NNE 15.2											
4, 230	208	NNE	10.9	6, 570 203 NNE 15.1											
4, 410	205	NNE	10.8	6, 750 199 NNE 13.3											
4, 590	205	NNE	12.0	6, 930 199 NNE 12.9											
4, 770	205	NNE	12.5	7, 110 204 NNE 12.4											
4, 950	205	NNE	13.1	7, 290 205 NNE 11.7											
				7, 470 204 NNE 11.5											

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind						
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.			
No. 77—Continued				No. 79—Continued				No. 81—Continued				No. 83—Continued						
4,590	54	SW	6.7	2,970	94	W	7.4	801	345	SSE	7.3	990	67	WSW	3.4			
4,770	54	SW	7.0	3,150	102	WNW	7.3	990	343	SSE	8.1	1,170	90	W	4.1			
4,950	52	SW	9.2	3,330	107	WNW	7.0	1,170	338	SSE	8.4	1,350	88	W	4.3			
5,130	52	SW	11.0	3,510	102	WNW	7.1	1,350	345	SSE	8.4	1,530	78	WSW	3.4			
5,310	56	SW	12.2	3,690	88	W	7.1	1,530	351	S	8.1	1,710	84	W	3.2			
5,490	56	SW	13.5	3,870	85	W	7.5	1,710	350	S	7.5	1,890	93	W	3.6			
5,670	58	WSW	13.4	4,050	90	W	8.0	1,890	351	S	7.2	2,070	97	W	4.7			
5,850	61	WSW	14.0	4,230	93	W	9.3	2,070	359	S	7.4	2,250	106	WNW	5.6			
6,030	61	WSW	14.6	4,410	92	W	9.8	2,250	8	S	6.9	2,430	106	WNW	7.4			
6,210	63	WSW	15.5	4,950	87	W	9.8	2,430	10	S	5.6	2,610	104	WNW	8.8			
6,390	62	WSW	17.0	4,770	90	W	10.2	2,610	13	SSW	5.0	Disappearance: Local smoke.						
6,570	63	WSW	16.3	4,590	90	W	10.7	2,790	27	SSW	4.2	No. 84. Apr. 6, 1929; 13h 15m.						
6,750	65	WSW	17.0	5,130	84	W	12.3	2,970	48	SW	3.6	Clouds: 8 CiSt NW, Few St						
6,930	65	WSW	18.4	5,310	83	W	12.9	3,150	52	SW	3.0	SSE. Vis.: 8						
7,110	66	WSW	18.8	5,490	85	W	13.2	3,330	60	WSW	2.3	Surface						
7,290	71	WSW	17.2	5,670	86	W	13.4	3,510	89	W	2.8	216	317	SSW	1.3			
7,470	75	WSW	17.0	5,850	86	W	13.8	3,690	101	W	3.8	414	324	SE	3.2			
7,650	73	WSW	18.8	6,030	88	W	15.1	Disappearance: Darkness?				612	334	SSE	6.6			
7,830	74	WSW	21.2	6,210	90	W	14.3	No. 82. Apr. 4, 1929; 10h 47m.				801	339	SSE	9.3			
8,010	75	WSW	20.4	6,390	87	W	14.8	Clouds: 1 CiSt (WSW?).				990	349	S	9.5			
8,190	79	W	21.6	6,570	85	W	16.2	Vis.: 9				1,170	358	S	8.5			
8,370	81	W	24.0	6,750	84	W	16.0	Surface				1,350	9	S	7.5			
Disappearance: Distance.				Disappearance: Distance.				Surface				1,530	20	SSW	6.8			
No. 78. Apr. 1, 1929; 16h 09m.				No. 80. Apr. 3, 1929; 8h 34m.				216				40	SW	1.5	1,710	29	SSW	5.9
Clouds: Few ASt SW. Vis.: 9				Clouds: 3 Ci N. Vis.: 9				414				56	SW	1.2	1,890	41	SW	5.4
Surface	Calm	-----	Calm	Surface	18	SSW	2.2	612				37	SW	4.0	2,070	61	WSW	4.9
216	12	SSW	5.2	216	0	S	5.6	801				24	SSW	5.9	2,250	77	WSW	5.7
414	15	SSW	8.5	414	333	SSE	7.2	990				18	SSW	6.5	2,430	86	W	7.6
612	18	SSW	8.4	612	307	SE	7.7	1,170				30	SSW	6.8	2,610	96	W	9.9
801	24	SSW	7.5	801	293	ESE	7.0	1,350				41	SW	7.6	2,790	102	WNW	13.2
990	23	SSW	7.8	990	291	ESE	6.3	1,530				38	SW	7.8	2,970	107	WNW	15.3
1,170	17	SSW	9.2	1,170	295	ESE	6.7	1,710				33	SW	6.8	3,150	110	WNW	15.3
1,350	21	SSW	9.8	1,350	298	ESE	7.7	1,890				26	SSW	7.7	3,330	110	WNW	14.3
1,530	25	SSW	11.0	1,530	297	ESE	6.7	2,070				26	SSW	8.6	3,510	119	WNW	13.4
1,710	24	SSW	11.5	1,710	288	ESE	5.2	2,250				28	SSW	8.3	3,690	128	NW	14.3
1,890	23	SSW	11.0	1,890	283	ESE	4.4	2,430				35	SW	10.2	3,870	130	NW	14.6
2,070	26	SSW	11.3	2,070	279	E	3.8	2,610				41	SW	11.5	4,050	130	NW	14.0
2,250	26	SSW	11.5	2,250	266	E	2.7	2,790				45	SW	11.6	4,230	130	NW	14.4
2,430	25	SSW	11.4	2,430	252	ENE	1.8	2,970				51	SW	11.5	4,410	132	NW	15.5
2,610	27	SSW	12.0	2,610	243	ENE	1.7	3,150				55	SW	10.8	4,590	133	NW	16.2
2,790	26	SSW	12.7	2,790	217	NE	1.9	3,330				64	WSW	10.6	4,770	133	NW	18.0
2,970	25	SSW	13.4	2,970	194	NNE	2.6	3,510				70	WSW	11.1	4,950	134	NW	17.7
3,150	24	SSW	13.9	3,150	183	N	2.7	3,690				75	WSW	10.3	5,130	133	NW	16.8
Disappearance: Darkness.				3,330	169	N	2.9	3,870				73	WSW	9.4	5,310	131	NW	18.5
No. 79. Apr. 2, 1929; 8h 34m.				3,510	178	N	3.8	4,050				76	WSW	9.3	5,490	129	NW	19.1
Clouds: 1 ASt W. Vis.: 9				3,690	190	N	4.3	4,230				76	WSW	10.5	5,670	128	NW	19.1
Surface	85	W	2.7	3,870	199	NNE	4.6	4,410				72	WSW	11.3	5,850	128	NW	20.4
216	75	WSW	7.1	4,050	203	NNE	5.1	4,590				71	WSW	12.5	6,030	129	NW	21.2
414	68	WSW	9.5	4,230	196	NNE	5.2	4,770				70	WSW	15.5	Disappearance: Distance.			
612	62	WSW	8.6	4,410	199	NNE	5.4	4,950				72	WSW	16.2	No. 85. Apr. 8, 1929; 10h 34m.			
801	65	WSW	6.5	4,590	198	NNE	7.6	5,130				76	WSW	16.7	Clouds: 1 Ci ENE, 1 St SSW.			
990	68	WSW	6.6	4,770	197	NNE	9.1	5,310				76	WSW	18.5	Vis.: 9			
1,170	68	WSW	7.0	4,950	202	NNE	9.0	5,490				76	WSW	19.2	Surface	Calm	-----	Calm
1,350	70	WSW	6.5	Disappearance: Lost from field.				Disappearance: Distance?				216				20	SSW	11.7
1,530	91	W	6.1	No. 81. Apr. 3, 1929; 15h 15m.				No. 83. Apr. 4, 1929; 20h 49m.				414				19	SSW	16.8
1,710	105	WNW	6.8	Clouds: 1 Ci NE. Vis.: 9				Clouds: 0. Vis.: 9. Moon bright				612				20	SSW	17.7
1,890	95	W	6.4	Surface	14	SSW	1.8	216				40	SW	0.9	801	18	SSW	15.9
2,070	90	W	7.2	216	338	SSE	5.8	414				32	SSW	1.4	990	16	SSW	13.2
2,250	87	W	8.0	414	319	SE	7.5	612				16	SSW	3.1	1,170	16	SSW	8.9
2,430	85	W	8.3	612	327	SSE	7.3	801				22	SSW	5.2	1,350	23	SSW	5.3
2,610	85	W	8.0									1,530				27	SSW	5.5
2,790	84	W	7.1									1,710				25	SSW	6.5

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 85—Continued				No. 87—Continued				No. 89—Continued				No. 90—Continued			
1,890	19	SSW	6.2	2,070	242	ENE	13.9	612	99	W	4.3	1,890	56	SW	12.7
2,070	349	S	4.6	2,250	235	NE	11.8	801	92	W	5.7	2,070	56	SW	12.2
2,250	311	SE	4.3	2,430	234	NE	11.7	990	60	WSW	6.6	2,250	43	SW	11.8
2,430	318	SE	4.8	2,610	232	NE	12.5	1,170	35	SW	5.4	2,430	37	SW	10.5
2,610	315	SE	5.7	2,790	230	NE	12.5	1,350	12	SSW	3.8	2,610	31	SSW	8.4
2,790	302	ESE	5.6	2,970	230	NE	13.0	1,530	351	S	3.6	2,790	30	SSW	7.9
2,970	291	ESE	5.2	3,150	234	NE	13.2	1,710	342	SSE	3.3	2,970	38	SW	8.1
3,150	281	E	5.6	3,330	238	ENE	14.5	1,890	331	SSE	2.5	3,150	40	SW	10.2
3,330	274	E	6.5	3,510	237	ENE	16.1	2,070	327	SSE	2.1	3,330	40	SW	9.0
3,510	268	E	6.5	3,690	234	NE	16.4	2,250	327	SSE	2.5	3,510	40	SW	8.4
3,690	266	E	6.6	3,870	233	NE	17.6	2,430	325	SE	3.6	3,690	36	SW	9.7
3,870	257	ENE	7.4	4,050	232	NE	18.3	2,610	314	SE	5.1	3,870	34	SW	11.0
4,050	250	ENE	7.9	4,230	229	NE	19.1	2,790	309	SE	6.1	4,050	33	SSW	11.5
4,230	252	ENE	9.0	4,410	228	NE	19.6	2,970	311	SE	6.8	4,230	34	SW	12.0
4,410	253	ENE	10.2	4,590	228	NE	20.3	3,150	306	SE	6.6	4,410	39	SW	14.1
4,590	251	ENE	10.6	4,770	226	NE	20.9	3,330	298	ESE	6.2	4,590	40	SW	15.0
4,770	251	ENE	10.6	4,950	220	NE	19.8	3,510	285	ESE	6.7	4,770	39	SW	14.3
4,950	244	ENE	11.3	5,130	218	NE	21.4	3,690	282	ESE	7.6	4,950	39	SW	14.4
5,130	242	ENE	12.7	5,310	217	NE	23.3	3,870	292	ESE	8.0	5,130	40	SW	15.5
5,310	245	ENE	13.9	5,490	220	NE	24.3	4,050	290	ESE	6.9	5,310	41	SW	16.4
5,490	243	ENE	14.9	5,670	226	NE	26.0	4,230	288	ESE	5.9	5,490	39	SW	16.4
5,670	237	ENE	14.8	5,850	228	NE	28.3	4,410	296	ESE	6.3	5,670	37	SW	16.0
5,850	235	NE	15.8	6,030	227	NE	29.4	4,590	301	ESE	7.0	5,850	41	SW	17.5
6,030	240	ENE	17.5	6,210	225	NE	29.0	4,770	303	ESE	6.3	6,030	46	SW	16.3
6,210	244	ENE	18.4	6,390	224	NE	28.0	4,950	295	ESE	5.7	6,210	50	SW	15.5
6,390	246	ENE	20.2	Disappearance: Distance.				5,130	288	ESE	7.7	6,390	51	SW	16.6
6,570	244	ENE	20.8	No. 88. Apr. 10, 1929; 21h 48m.				5,310	288	ESE	8.4	6,570	52	SW	17.8
6,750	242	ENE	21.4	Clouds: 0				5,490	289	ESE	8.5	6,750	52	SW	18.4
6,930	241	ENE	22.3	Surface	26	SSW	1.8	5,670	290	ESE	9.2	6,930	53	SW	18.6
Disappearance: Behind St.				216	75	WSW	2.7	5,850	296	ESE	9.5	7,110	53	SW	20.7
Higher layer of St clouds came				414	29	SSW	2.5	6,030	299	ESE	10.5	7,290	53	SW	22.0
in during observation, 8 St by				612	11	S	5.0	6,210	299	ESE	10.1	7,470	52	SW	23.6
end of observation.				801	345	SSE	6.6	6,390	296	ESE	10.0	7,650	52	SW	26.4
No. 86. Apr. 9, 1929; 15h 44m.				990	334	SSE	7.0	6,570	288	ESE	9.2	7,830	51	SW	30.2
Clouds: 10 Ast. Vis.: 2. Lt.				1,170	326	SE	7.1	6,750	274	E	9.4	8,010	50	SW	30.9
snow, Lt. drift				1,350	317	SE	6.1	6,930	272	E	11.1	8,190	49	SW	29.8
Surface	276	E	8.9	1,530	317	SE	4.3	7,110	272	E	11.0	8,370	52	SW	29.3
216	205	NNE	8.3	1,710	331	SSE	3.8	7,290	270	E	10.8	8,550	52	SW	32.2
414	168	NNW	11.1	1,890	337	SSE	3.8	7,470	271	E	10.9	8,730	50	SW	31.6
612	157	NNW	11.0	2,070	329	SSE	4.5	7,650	273	E	11.5	8,910	50	SW	35.6
801	153	NNW	9.8	2,250	315	SE	5.4	7,830	273	E	12.4	Disappearance: Distance.			
990	149	NNW	9.7	2,430	305	SE	5.4	8,010	275	E	12.3	No. 91. Apr. 18, 1929; 10h			
1,170	146	NW	10.4	2,610	298	ESE	6.4	8,190	279	E	11.7	18m. Clouds: 8 CiSt SW,			
1,350	146	NW	10.5	2,790	294	ESE	8.2	8,370	284	ESE	13.0	Few St WSW. Vis.: 9			
1,530	144	NW	10.3	2,970	293	ESE	9.2	8,550	283	ESE	12.3	Surface	51	SW	1.8
Disappearance: Lost in drift-				3,150	293	ESE	10.0	8,730	288	ESE	12.1	216	54	SW	6.9
ing snow.				3,330	295	ESE	10.1	8,910	296	ESE	13.2	414	68	WSW	9.2
No. 87. Apr. 10, 1929; 10h 31m.				3,510	297	ESE	9.3	9,090	294	ESE	12.0	612	72	WSW	10.1
Clouds: 1 Ci NNE, Few ACu				3,690	287	ESE	9.0	9,270	296	ESE	13.2	801	76	WSW	10.6
NE. Vis.: 9				3,870	284	ESE	11.3	9,450	296	ESE	11.9	990	77	WSW	10.9
Surface	284	ESE	2.2	4,050	286	ESE	13.2	9,630	296	ESE	9.2	1,170	79	W	10.4
216	332	SSE	4.1	4,230	279	E	14.2	Disappearance: Burst.			1,350	90	W	9.1	
414	299	ESE	6.3	4,410	276	E	14.6	No. 90. Apr. 17, 1929; 10h			1,530	96	W	8.4	
612	275	E	6.7	4,590	278	E	13.9	42m. Clouds: Few StCu			1,710	94	W	8.0	
801	260	E	7.4	Disappearance: Distance—				SW. Vis.: 9			1,890	87	W	8.1	
990	246	ENE	8.2	frost on lens.							2,070	79	W	8.3	
1,170	236	NE	7.9	No. 89. Apr. 11, 1929; 10h				Surface	45	SW	2.7	2,250	72	WSW	9.1
1,350	239	ENE	8.2	26m. Clouds: Few StCu, SSE				216	33	SSW	10.5	2,430	62	WSW	8.9
1,530	244	ENE	10.1	Vis.: 9				414	38	SW	13.0	2,610	56	SW	6.8
1,710	253	ENE	12.4	Surface	43	SW	1.3	612	38	SW	13.4	2,790	73	WSW	6.1
1,890	252	ENE	14.3	216	285	ESE	1.2	801	42	SW	14.3	2,970	83	WSW	6.8
Disappearance: Steam from				414	80	W	2.1	990	48	SW	14.8	Disappearance: Steam from			
ventilating pipe.				Disappearance: Steam from				1,170	54	SW	14.2	ventilating pipe.			
								1,350	63	WSW	13.4				
								1,530	63	WSW	12.6				
								1,710	60	WSW	12.7				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 92. Apr. 18, 1929, 20h 24m. Clouds: 3 Ci (SW?)				No. 95—Continued				No. 97. Apr. 23, 1929; 11h 11m. Clouds: 8 CiSt ENE. Vis.: 8				No. 98—Continued			
Surface	45	SW	4.0	801	336	SSE	8.4	Surface	276	E	5.4	3,150	318	SE	4.9
216	16	SSW	10.6	990	346	SSE	10.1	216	293	ESE	8.4	3,330	317	SE	4.8
414	22	SSW	11.3	1,170	355	S	11.8	414	283	ESE	7.0	3,510	315	SE	5.0
612	34	SW	9.5	1,350	360	S	11.7	612	273	E	4.2	3,690	312	SE	4.9
801	54	SW	8.7	1,530	355	S	9.6	801	263	E	3.8	3,870	304	SE	4.8
990	70	WSW	10.9	1,710	4	S	6.9	990	238	ENE	4.5	4,050	297	ESE	5.2
1,170	78	WSW	13.1	1,890	32	SSW	6.1	1,170	217	NE	5.2	4,230	296	ESE	5.5
1,350	79	W	14.4	2,070	32	SSW	6.8	1,350	198	NNE	5.2	Disappearance: ?			
1,530	79	W	14.8	2,250	21	SSW	7.4	1,530	180	N	4.9	No. 99. Apr. 24, 1929; 12h 16m. Clouds: 1 Ci, Few St SSW. Vis.: 9			
Disappearance: Frost on lens. Aurora visible.				2,430	34	SW	6.5	1,710	178	N	4.5	Surface	51	SW	3.1
No. 93. Apr. 19, 1929; 12h 28m. Clouds: 1 StCu SSW. Vis.: 9				2,610	54	SW	5.3	1,890	196	NNE	3.9	216	61	WSW	9.8
Surface	26	SSW	3.1	2,790	75	WSW	3.4	2,070	215	NE	3.5	414	71	WSW	11.8
216	7	S	10.1	2,970	109	WNW	3.0	2,250	229	NE	4.8	612	74	WSW	9.9
414	4	S	12.9	Disappearance: Moonlight.				2,430	238	ENE	5.9	801	71	WSW	10.0
612	5	S	13.1	No. 96. Apr. 21, 1929; 10h 46m. Clouds: 4 ACu NNW. Vis.: 7				2,610	246	ENE	5.3	990	63	WSW	10.2
801	8	S	9.2	Surface	304	SE	1.3	2,790	259	E	4.8	1,170	49	SW	9.2
990	10	S	7.5	216	284	ESE	13.4	2,970	272	E	5.1	1,350	41	SW	8.5
1,170	8	S	7.7	414	270	E	10.6	3,150	273	E	6.4	1,530	41	SW	8.8
1,350	9	S	7.8	612	250	ENE	6.9	3,330	263	E	7.7	1,710	38	SW	8.4
1,530	14	SSW	9.1	801	244	ENE	6.3	3,510	254	ENE	7.3	1,890	29	SSW	7.9
1,710	17	SSW	10.1	990	244	ENE	4.4	3,690	254	ENE	6.5	2,070	32	SSW	7.3
1,890	19	SSW	10.9	1,170	230	NE	1.1	3,870	258	ENE	6.9	2,250	36	SW	6.5
2,070	25	SSW	11.3	1,350	44	SW	1.1	4,050	258	ENE	7.8	2,430	36	SW	6.2
2,250	36	SW	10.6	1,530	343	SSE	2.3	4,230	260	E	8.3	2,610	30	SSW	6.0
2,430	50	SW	9.7	1,710	326	SE	2.8	4,410	258	ENE	8.3	2,790	20	SSW	5.7
2,610	59	WSW	10.2	1,890	320	SE	1.1	4,590	250	ENE	7.5	2,970	25	SSW	5.6
2,790	59	WSW	10.8	2,070	214	NE	0.9	4,770	239	ENE	8.2	3,150	26	SSW	6.3
Disappearance: Background.				2,250	209	NNE	2.4	4,950	236	NE	8.8	3,330	12	SSW	6.2
No. 94. Apr. 19, 1929; 21h 23m. Clouds: 6 StCu SW				2,430	200	NNE	2.9	5,130	239	ENE	7.8	3,510	355	S	5.4
Surface	353	S	3.6	2,610	176	N	3.5	5,310	249	ENE	8.9	3,690	346	SSE	5.5
216	328	SSE	3.5	2,790	166	NNW	5.0	5,490	251	ENE	9.0	3,870	341	SSE	5.5
414	334	SSE	3.9	2,970	170	N	5.1	5,670	246	ENE	8.0	4,050	328	SSE	4.1
612	345	SSE	9.3	3,150	182	N	5.1	5,850	247	ENE	8.2	4,230	312	SE	3.0
801	347	SSE	9.9	3,330	186	N	6.8	6,030	251	ENE	9.6	4,410	298	ESE	2.9
990	351	S	10.3	3,510	172	N	7.4	6,210	246	ENE	11.4	4,590	293	ESE	2.4
1,170	3	S	10.6	3,690	155	NNW	7.8	6,390	240	ENE	12.1	4,770	298	ESE	1.9
1,350	13	SSW	11.4	3,870	150	NNW	7.9	6,570	236	NE	9.8	4,950	291	ESE	1.5
1,530	13	SSW	12.3	4,050	146	NW	7.4	6,750	236	NE	9.8	5,130	260	E	1.3
1,710	13	SSW	12.6	4,230	150	NNW	7.4	6,930	241	ENE	9.5	Disappearance: Background.			
1,890	21	SSW	15.6	4,410	156	NNW	7.0	7,110	240	ENE	9.7	No. 100. Apr. 24, 1929; 21h 22m. Clouds: 0			
2,070	27	SSW	16.2	4,590	163	NNW	7.3	7,290	237	ENE	9.6	Surface	15	SSW	3.1
2,250	39	SW	12.5	4,770	162	NNW	7.4	Disappearance: Entered CiSt, 7290 m.				216	324	SE	3.0
2,430	51	SW	11.5	4,950	170	N	7.3	No. 98. Apr. 23, 1929; 20h 21m. Clouds: 6 CiSt NE, 2 ACu SE. Lunar halo 22°. Also corona				414	324	SE	3.6
2,610	51	SW	12.6	5,130	171	N	8.2	Surface	Calm	-----	Calm	612	348	SSE	3.5
2,790	50	SW	14.0	5,310	165	NNW	9.5	216	8	S	3.1	801	10	S	2.9
Disappearance: Behind StCu.				5,490	170	N	10.1	414	351	S	3.1	990	4	S	4.2
No. 95. Apr. 20, 1929; 21h 12m. Clouds: 1 ASt. Brill- iant moonlight. Lt. drift				5,670	173	N	10.1	612	329	SSE	2.3	1,170	360	S	4.5
Surface	292	ESE	6.7	5,850	173	N	10.0	801	16	SSW	1.1	1,350	1	S	4.8
216	298	ESE	13.2	6,030	173	N	10.0	990	90	W	2.7	1,530	7	S	4.5
414	310	SE	11.0	6,210	177	N	9.2	1,170	92	W	4.8	1,710	21	SSW	4.3
612	324	SE	8.4	6,390	181	N	10.6	1,350	80	W	5.2	1,890	27	SSW	5.1
Disappearance: Behind ACu.				6,570	183	N	11.6	1,530	59	WSW	4.4	2,070	22	SSW	6.0
				6,750	180	N	11.2	1,710	39	SW	4.0	2,250	15	SSW	6.0
				6,930	176	N	10.3	1,890	35	SW	4.2	2,430	13	SSW	6.0
				7,110	175	N	9.5	2,070	28	SSW	3.9	2,610	19	SSW	6.4
				7,290	175	N	9.2	2,250	357	S	4.4	2,790	18	SSW	6.5
				7,470	173	N	9.7	2,430	336	SSE	5.7	2,970	12	SSW	5.5
				7,650	163	NNW	9.8	2,610	328	SSE	5.5	3,150	9	S	5.0
				8,830	160	NNW	9.2	2,790	333	SSE	5.4				
				8,010	163	NNW	8.3	2,970	328	SSE	5.5				
				8,190	165	NNW	8.5								
				8,370	167	NNW	8.2								

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 100—Continued

3,330	7	S	6.3
3,510	1	S	6.5
3,690	1	S	6.0
3,870	1	S	6.4
4,050	4	S	6.8
4,230	8	S	6.3
4,410	8	S	6.6
4,590	10	S	7.6
4,770	9	S	8.0

Disappearance: Lost among stars.

No. 101. Apr. 25, 1929; 12h 03m. Clouds: 2 Ci WSW, 2 St (W?). Vis.: 7

Surface	230	NE	2.2
216	93	W	5.1
414	76	WSW	6.7
612	46	SW	5.6
801	46	SW	8.0
990	51	SW	8.6
1,170	61	WSW	8.6
1,350	68	WSW	8.8
1,530	71	WSW	8.0
1,710	70	WSW	7.2
1,890	64	WSW	6.4
2,070	51	SW	5.4
2,250	44	SW	5.4
2,430	45	SW	6.3
2,610	41	SW	6.5
2,790	35	SW	6.6
2,970	33	SSW	7.0

Disappearance: Behind anemometer post.

No. 102. Apr. 27, 1929; 11h 32m. Clouds: Few St WSW. Vis.: 9

Surface	Calm	-----	Calm
216	40	SW	3.0
414	66	WSW	5.4
612	76	WSW	4.5
801	94	W	3.5
990	99	W	4.3
1,170	81	W	3.7
1,350	51	SW	4.1
1,530	37	SW	4.7
1,710	26	SSW	3.8
1,890	10	S	2.1
2,070	21	SSW	1.8
2,250	28	SSW	3.1
2,430	26	SSW	4.3
2,610	35	SW	5.2
2,790	34	SW	6.1
2,970	27	SSW	5.5
3,150	24	SSW	4.4
3,330	21	SSW	4.6
3,510	12	SSW	4.7
3,690	10	S	4.8
3,870	16	SSW	5.1
4,050	16	SSW	4.6
4,230	9	S	4.7
4,410	10	S	5.6

Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 102—Continued

4,590	12	SSW	6.0
4,770	9	S	5.6
4,950	11	S	5.3
5,130	15	SSW	5.9
5,310	13	SSW	6.0
5,490	7	S	6.6
5,670	5	S	7.7
5,850	3	S	8.0

Disappearance: Darkness.

No. 103. Apr. 27, 1929; 22h 15m. Clouds: 0. Thin layer stratus clouds drifted in after observation was started

Surface	217	NE	3.1
216	278	E	3.7
414	106	WNW	1.5
612	144	NW	1.1
801	272	E	1.4
990	260	E	1.4
1,170	243	ENE	1.4
1,350	278	E	2.2
1,530	316	SE	3.4
1,710	324	SE	5.2
1,890	318	SE	6.6
2,070	312	SE	7.3
2,250	309	SE	7.2
2,430	310	SE	6.8
2,610	310	SE	6.8
2,790	305	SE	7.3
2,970	307	SE	7.2
3,150	312	SE	7.3
3,330	313	SE	8.5
3,510	310	SE	9.0
3,690	310	SE	9.3
3,870	310	SE	9.4

Disappearance: Cut off by St.

No. 104. Apr. 28, 1929; 20h 15m. Clouds: 1 St SE

Surface	290	ESE	4.0
216	328	SSE	8.1
414	324	SE	8.6
612	291	ESE	8.1
801	284	ESE	7.6
990	292	ESE	8.4
1,170	287	ESE	9.0
1,350	280	E	8.7
1,530	276	E	9.4
1,710	264	E	7.6
1,890	254	ENE	5.7
2,070	254	ENE	5.9
2,250	254	ENE	5.8
2,430	259	E	6.2
2,610	254	ENE	6.7
2,790	249	ENE	6.5
2,970	243	ENE	6.3
3,150	242	ENE	7.0
3,330	251	ENE	7.4
3,510	257	ENE	7.6
3,690	257	ENE	8.5
3,870	257	ENE	8.6
4,050	255	ENE	9.4

Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 104—Continued

4,230	252	ENE	9.8
4,410	254	ENE	7.8
4,590	262	E	7.4
4,770	267	E	8.2
4,950	266	E	8.3
5,130	265	E	8.6

Disappearance: Distance. 22° lunar halo, upper tangent arc and paraselenae.

No. 105. Apr. 29, 1929; 10h 40m. Clouds: 9 CiSt¹ ENE. Vis.: 8

Surface	25	SSW	3.1
216	346	SSE	3.0
414	304	SE	7.5
612	295	ESE	9.4
801	285	ESE	7.0
990	268	E	7.2
1,170	270	E	9.6
1,350	275	E	9.5
1,530	273	E	8.6
1,710	266	E	8.6
1,890	264	E	9.3
2,070	261	E	10.7
2,250	252	ENE	11.7
2,430	245	ENE	11.3
2,610	250	ENE	12.1
2,790	254	ENE	12.3

¹The clouds were typical of the cirrus type with wisps and feathery edges.

Disappearance: Entered CiSt, 2,790 m.

No. 106. Apr. 29, 1929; 21h 58m. Clouds: Few StCu E

Surface	36	SW	1.3
216	216	NE	2.6
414	255	ENE	2.2
612	312	SE	5.4
801	321	SE	5.8
990	316	SE	6.0
1,170	303	ESE	8.4
1,350	287	ESE	8.8
1,530	269	E	8.3
1,710	270	E	8.6
1,890	268	E	9.2
2,070	252	ENE	8.7
2,250	253	ENE	8.8
2,430	253	ENE	9.5
2,610	258	ENE	9.8
2,790	258	ENE	10.8
2,970	250	ENE	12.5
3,150	240	ENE	13.0
3,330	235	NE	14.4
3,510	235	NE	16.1
3,690	238	ENE	16.4
3,870	238	ENE	14.8
4,050	238	ENE	13.0

Disappearance: Distance.

Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 107. Apr. 30, 1929; 11h 47m. Clouds: Few Ci (NW?), Few Ast (NW?). Vis.: 9

Surface	220	NE	5.8
216	213	NNE	7.4
414	197	NNE	6.2
612	208	NNE	3.3
801	197	NNE	2.5
990	210	NNE	2.4
1,170	249	ENE	3.9
1,350	252	ENE	6.9
1,530	252	ENE	10.7
1,710	253	ENE	12.6
1,890	255	ENE	12.6
2,070	257	ENE	13.0
2,250	256	ENE	14.0
2,430	251	ENE	15.7
2,610	249	ENE	16.8
2,790	247	ENE	16.8
2,970	247	ENE	17.5
3,150	247	ENE	17.9

Disappearance: Darkness.

No. 108. May 4, 1929; 18h 15m. Clouds: 0. Ice crystals falling

Surface	19	SSW	5.4
216	312	SE	13.2
414	308	SE	18.7
612	307	SE	16.9
801	310	SE	12.9
990	318	SE	9.3
1,170	324	SE	8.0

Disappearance: Ice crystals in air.

No. 109. May 5, 1929; 17h 45 m. Clouds: 0

Surface	5	S	2.7
216	352	S	5.4
414	342	SSE	8.6
612	340	SSE	9.8
801	336	SSE	10.4
990	329	SSE	9.2
1,170	326	SE	6.5
1,350	333	SSE	6.6
1,530	331	SSE	7.3
1,710	342	SSE	7.0
1,890	357	S	7.8
2,070	360	S	7.0
2,250	2	S	6.1
2,430	9	S	5.3
2,610	13	SSW	4.7
2,790	26	SSW	4.4
2,970	49	SW	5.0
3,150	65	WSW	5.3
3,330	95	W	6.3
3,510	103	WNW	7.8

Disappearance: Behind thin stratus. Thin stratus cloud formed in northern portion of sky while observation was being taken.

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 110. May 6, 1929; 18h 08m. Clouds: 3 Ci (N?)				No. 113. May 13, 1929; 20h 22m. Clouds: 0				No. 116. May 15, 1929; 20h 31 m. Clouds: 1 StCu SW				No. 118—Continued			
Surface	19	SSW	2.7	Surface	324	SSW	1.3	Surface	23	SSW	1.8	3,690	56	SW	6.6
216	350	S	5.9	216	331	SSE	5.7	216	11	S	11.8	3,870	60	WSW	6.8
414	323	SE	6.5	414	320	SE	10.3	414	8	S	15.6	4,050	52	SW	6.5
612	311	SE	6.7	612	311	SE	12.3	612	9	S	16.7	4,230	43	SW	8.0
801	306	SE	6.4	801	309	SE	10.6	801	359	S	15.1	4,410	48	SW	10.7
990	297	ESE	5.1	990	319	SE	9.2	990	356	S	12.8	4,590	53	SW	9.7
1,170	295	ESE	3.7	1,170	338	SSE	9.0	1,170	2	S	10.5	4,770	55	SW	9.2
1,350	309	SE	4.2	1,350	341	SSE	10.6	1,350	11	S	8.8	Disappearance: Distance.			
1,530	303	ESE	4.7	1,530	338	SSE	9.7	1,530	20	SSW	9.4	No. 119. May 17, 1929; 21h 16m. Clouds: Few AST (ESE?)			
1,710	286	ESE	4.3	1,710	349	S	7.7	1,710	31	SSW	9.6	Surface	45	SW	4.0
1,890	279	E	3.6	1,890	1	S	7.5	1,890	41	SW	10.4	216	17	SSW	9.2
2,070	278	E	2.8	2,070	358	S	7.2	2,070	41	SW	12.7	414	14	SSW	5.7
2,250	277	E	2.3	2,250	1	S	6.0	2,250	41	SW	13.8	612	2	S	3.0
2,430	268	E	1.7	2,430	14	SSW	4.7	2,430	43	SW	18.7	801	346	SSE	2.5
2,610	263	E	2.1	2,610	17	SSW	4.2	2,610	47	SW	19.0	990	316	SE	1.7
2,790	266	E	2.9	2,790	10	S	5.3	Disappearance: Distance.				1,170	307	SE	2.8
2,970	249	ENE	2.8	2,970	11	S	5.8	No. 117. May 16, 1929; 10h 41m. Clouds: 4 StCu				1,350	322	SE	3.6
3,150	228	NE	2.7	3,150	22	SSW	5.7	Surface	53	SW	1.3	1,530	332	SSE	3.0
3,330	219	NE	2.4	3,330	30	SSW	6.7	216	34	SW	13.9	1,710	328	SSE	2.7
3,510	190	N	2.7	3,510	40	SW	6.9	414	35	SW	17.7	1,890	322	SE	3.6
3,690	167	NNW	3.4	3,690	53	SW	6.1	612	31	SSW	16.8	2,070	314	SE	4.5
3,870	172	N	3.4	3,870	59	WSW	6.4	801	31	SSW	16.8	2,250	302	ESE	4.8
4,050	180	N	4.4	4,050	64	WSW	7.3	990	34	SW	15.4	2,430	296	ESE	5.5
4,230	189	N	5.7	4,230	66	WSW	7.8	1,170	31	SSW	13.4	2,610	292	ESE	5.5
4,410	185	N	7.2	4,410	63	WSW	8.3	1,350	32	SSW	13.7	2,790	291	ESE	5.2
4,590	181	N	7.4	Disappearance: ?				1,530	36	SW	13.7	2,970	299	ESE	5.8
4,770	186	N	7.9	No. 114. May 14, 1929; 19h 59m. Clouds: 0				1,710	42	SW	10.1	3,150	303	ESE	6.2
4,950	187	N	8.4	Surface	30	SSW	3.6	1,890	44	SW	8.2	3,330	301	ESE	6.4
Disappearance: ? Bright aurora arch in NE.				216	4	S	9.9	2,070	41	SW	7.7	3,510	304	SE	7.3
No. 111. May 7, 1929; 22h 18m. Clouds: 0. Light drift				414	349	S	10.4	2,250	42	SW	6.7	3,690	312	SE	7.2
Surface	38	SW	6.7	612	343	SSE	10.0	2,430	48	SW	6.8	3,870	324	SE	6.4
216	22	SSW	13.2	801	338	SSE	8.5	2,610	55	SW	5.9	4,050	343	SSE	8.1
414	14	SSW	12.2	990	341	SSE	7.3	2,790	60	WSW	4.4	4,230	351	S	10.8
612	12	SSW	11.3	1,170	351	S	8.0	Disappearance: Distance.				4,410	354	S	11.7
801	14	SSW	10.8	1,350	6	S	10.7	Cloudiness increased to 7 StCu during observation.				Disappearance: Frost on lens.			
990	15	SSW	9.2	1,530	16	SSW	13.1	No. 118. May 16, 1929; 20h 29m. Clouds: 3 StCu SW				Surface	Calm		Calm
1,170	15	SSW	8.6	1,710	21	SSW	13.0	Surface	260	E	0.9	216	119	WNW	5.2
1,350	13	SSW	8.7	1,890	27	SSW	12.7	216	22	SSW	2.2	414	124	NW	7.8
1,530	13	SSW	8.3	2,070	32	SSW	12.8	414	44	SW	6.3	612	124	NW	4.7
1,710	14	SSW	8.1	2,250	29	SSW	14.7	612	43	SW	7.4	801	104	WNW	2.6
1,890	3	S	6.4	2,430	27	SSW	16.4	801	44	SW	9.2	990	80	W	2.5
2,070	345	SSE	4.0	Disappearance: Aurora in field. Aurora bright.				990	48	SW	11.3	1,170	68	WSW	2.8
2,250	344	SSE	3.0	No. 115. May 15, 1929; 11h 14m. Clouds: 1 Ci				1,170	47	SW	11.7	1,350	70	WSW	3.8
Disappearance: Snow drifting on lens. Faint aurora glow.				Surface	303	ESE	0.9	1,350	44	SW	9.8	1,530	53	SW	4.3
No. 112. May 12, 1929; 15h 19m. Clouds: 2 Ci, 4 St ESE				216	2	S	7.7	1,530	43	SW	6.4	1,710	27	SSW	4.2
Surface	354	S	2.7	414	14	SSW	6.8	1,710	39	SW	3.3	1,890	6	S	5.3
216	299	ESE	10.9	612	16	SSW	5.9	1,890	38	SW	2.8	2,070	0	S	6.5
414	292	ESE	13.7	801	17	SSW	5.2	2,070	38	SW	3.7	2,250	2	S	6.8
612	293	ESE	8.6	990	30	SSW	5.7	2,250	37	SW	4.6	2,430	353	S	6.8
801	313	SE	5.8	1,170	35	SW	6.9	2,430	37	SW	5.9	2,610	348	SSE	6.6
990	326	SE	6.8	1,350	33	SSW	7.2	2,610	42	SW	7.1	2,790	349	S	6.3
1,170	323	SE	7.0	Disappearance: Behind anemometer post.				2,790	48	SW	7.5	2,970	346	SSE	6.7
Disappearance: Burst.								2,970	45	SW	8.3	3,150	340	SSE	7.3
								3,150	42	SW	7.6	3,330	336	SSE	8.0
								3,330	46	SW	7.0	3,510	338	SSE	7.9
								3,510	49	SW	6.9	3,690	338	SSE	8.3

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Asimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Asimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Asimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Asimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 120—Continued				No. 124. May 24, 1929; 10h 05m. Clouds: 7CiSt, 3 St E				No. 127. June 3, 1929; 10h 08m. Clouds: 0				No. 130—Continued			
3,870	336	SSE	9.8	Surface	54	SW	2.2	Surface	Calm	-----	Calm	990	102	WNW	11.3
4,050	338	SSE	11.1	216	293	ESE	10.9	216	232	NE	4.7	1,170	121	WNW	9.3
4,230	343	SSE	12.2	414	278	E	18.6	414	224	NE	3.6	1,350	139	NW	8.6
4,410	342	SSE	11.7	612	280	E	12.1	612	208	NNE	1.4	Disappearance: Local smoke.			
4,590	345	SSE	12.1	801	278	E	10.3	801	270	E	2.6	No. 131. June 5, 1929; 17h 54m. Clouds: 0			
4,770	351	S	12.8	990	281	E	9.1	990	311	SE	2.5	Surface	280	E	4.0
Disappearance: ?				1,170	282	ESE	7.5	1,170	339	SSE	2.1	216	349	S	5.6
No. 121. May 20, 1929; 14h 12m. Clouds: 2 St SE				1,350	279	E	6.8	1,350	296	ESE	1.6	414	359	S	6.0
Surface	20	SSW	2.7	1,530	275	E	7.9	1,530	336	SSE	3.6	612	354	S	3.9
216	337	SSE	4.2	1,710	276	E	9.5	1,710	346	SSE	3.3	801	316	SE	1.8
414	320	SE	5.7	2,070	271	E	9.3	Disappearance: Accident.				990	250	ENE	2.5
612	323	SE	7.6	2,250	269	E	9.5	No. 128. June 3, 1929; 19h 39m. Clouds: 0				1,170	245	ENE	2.8
801	324	SE	8.1	Disappearance: Cut off by St.				Surface	256	ENE	0.9	1,350	256	ENE	4.5
990	314	SE	7.4	No. 125. May 27, 1929; 9h 20m. Clouds: Few Ci, Few StCu NW				216	168	NNW	2.0	1,530	243	ENE	7.2
1,170	284	ESE	6.3	Surface	240	ENE	0.9	414	169	N	4.4	1,710	229	NE	7.7
1,350	245	ENE	6.2	216	146	NW	2.6	612	176	N	4.6	1,890	221	NE	8.3
1,530	236	NE	6.0	414	134	NW	4.3	801	178	N	3.9	2,070	208	NNE	8.8
1,710	273	E	5.4	612	134	NW	5.4	990	176	N	3.7	2,250	197	NNE	10.4
1,890	307	SE	8.0	801	134	NW	6.2	1,170	171	N	3.7	2,430	201	NNE	12.7
2,070	309	SE	9.4	990	134	NW	6.5	1,350	174	N	3.7	2,610	201	NNE	14.0
2,250	310	SE	9.2	1,170	130	NW	6.2	1,530	184	N	4.5	2,790	198	NNE	14.2
2,430	308	SE	10.1	1,350	120	WNW	4.2	1,710	190	N	5.0	2,970	199	NNE	15.1
2,610	308	SE	9.9	1,530	114	WNW	2.8	1,890	201	NNE	4.6	3,150	204	NNE	16.4
2,790	309	SE	10.0	1,710	122	WNW	2.1	2,070	221	NE	5.1	3,330	205	NNE	16.8
2,970	308	SE	9.4	1,890	158	NNW	2.0	2,250	230	NE	6.0	3,510	203	NNE	17.5
3,150	309	SE	8.6	2,070	155	NNW	3.2	2,430	236	NE	6.5	3,690	201	NNE	18.7
3,330	309	SE	8.2	2,250	135	NW	3.1	2,610	239	ENE	6.9	3,870	200	NNE	19.8
3,510	298	ESE	8.1	2,430	86	W	2.0	2,790	244	ENE	7.0	Disappearance: Distance.			
3,690	292	ESE	7.7	2,610	53	SW	2.7	2,970	254	ENE	7.5	No. 132. June 6, 1929; 11h 05m. Clouds: 2 CiSt, 2 StCu SE, 5 St SE			
3,870	286	ESE	7.9	2,790	72	WSW	3.5	3,150	263	E	8.3	Surface	319	SE	8.9
4,050	283	ESE	8.4	2,970	75	WSW	3.9	3,330	261	E	9.3	216	315	SE	19.0
4,230	283	ESE	7.8	3,150	59	WSW	4.2	3,510	258	ENE	9.2	414	327	SSE	15.5
Disappearance: Distance. 22° lunar halo and upper tangent arc.				3,330	51	SW	5.0	3,690	261	E	8.9	612	340	SSE	10.4
No. 122. May 21, 1929; 10h 04m. Clouds: 9 St NNW				3,510	43	SW	5.1	3,870	254	ENE	9.4	801	348	SSE	10.8
Surface	270	E	1.8	3,690	32	SSW	5.2	4,050	257	ENE	9.7	990	342	SSE	13.5
216	160	NNW	9.3	3,870	23	SSW	6.1	4,230	261	E	9.9	1,170	340	SSE	16.5
414	157	NNW	13.5	4,050	16	SSW	7.5	4,410	256	ENE	9.7	1,350	337	SSE	18.5
459	153	NNW	15.2	4,230	3	S	8.9	Disappearance: Frosting of lens. Bright aurora curtain.				1,530	332	SSE	19.0
Disappearance: Entered St, 459 m.				4,410	351	S	9.6	No. 129. June 4, 1929; 10h 19m. Clouds: 2 StCu NNE. Lt. drift, increasing				1,710	325	SE	14.7
No. 123. May 22, 1929; 22h 05m. Clouds: 9 St WNW				4,590	340	SSE	9.8	Surface	226	NE	8.1	1,890	316	SE	10.8
Surface	259	E	3.6	4,770	331	SSE	10.2	216	212	NNE	14.5	2,070	315	SE	10.6
216	114	WNW	3.9	4,950	325	SE	10.3	414	206	NNE	16.5	Disappearance: Cut off by St. No drift. Pronounced water sky in NW-NE.			
414	109	WNW	7.4	Disappearance: Rapid move- ment. Brilliant moonlight.				612	203	NNE	14.7	No. 133. June 6, 1929; 21h 55m. Clouds: 3 StCu SSE, 3 St SSE			
612	117	WNW	7.5	No. 126. May 30, 1929; 10h 32m. Clouds: 1 ASt, 2 St W				801	201	NNE	13.5	Surface	359	S	8.1
801	143	NW	7.1	Surface	64	WSW	0.9	990	201	NNE	14.4	216	349	S	2.2
990	160	NNW	8.5	216	93	W	7.5	Disappearance: Drift.				414	309	SE	0.7
1,170	157	NNW	9.5	414	100	W	13.5	No. 130. June 5, 1929; 10h 07m. Clouds: Few St W				612	299	ESE	1.8
1,350	147	NNW	9.7	612	101	W	15.3	Surface	Calm	-----	Calm	801	316	SE	4.2
1,530	141	NW	10.2	801	97	W	15.0	216	78	WSW	8.2	990	340	SSE	5.8
Disappearance: Cut off by St. Balloon entered thin St. clouds at 747 m.				990	96	W	15.3	414	85	W	10.6	1,170	336	SSE	4.8
				1,170	95	W	21.0	612	95	W	11.3	1,350	315	SE	4.0
				1,350	95	W	26.5	801	100	W	1.91				
				Disappearance: Steam from ventilating pipe. Aurora vis- ible. Stratus very thin.											

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 133—Continued				No. 136. June 8, 1929; 19h 49m. Clouds: 2 CiSt, 2 St ESE				No. 139. June 10, 1929; 20h 32m. Clouds: 2 StCu (ENE?), 2 St NNE. Lt. snow. Faint aurora				No. 142. June 12, 1929; 10h 39m. Clouds: 2 Ci			
1,530	319	SE	5.6	Surface	29	SSW	3.1	Surface	244	ENE	4.5	Surface	Calm	-----	Calm
1,710	334	SSE	7.8	216	307	SE	8.5	216	221	NE	4.4	216	7	S	2.3
1,890	340	SSE	8.7	414	287	ESE	14.4	414	201	NNE	4.6	414	62	WSW	1.2
2,070	339	SSE	9.0	612	278	E	14.4	612	205	NNE	5.3	612	91	W	1.9
Disappearance: Behind St. Barometer unsteady. Heavy cloud bank in N and NE. Lt. drift. Aurora visible.				801	272	E	11.4	801	201	NNE	6.2	801	113	WNW	2.0
No. 134. June 7, 1929; 10h 20m. Clouds: 5 Ci, 4 ASt SE				990	269	E	8.0	990	193	NNE	7.0	990	140	NW	2.7
Surface	7	S	2.7	1,170	272	E	5.2	1,170	195	NNE	6.4	1,170	153	NNW	3.5
216	320	SE	2.9	1,350	278	E	4.1	1,350	200	NNE	5.0	1,350	162	NNW	3.1
414	253	ENE	3.8	1,530	273	E	4.9	1,530	202	NNE	4.2	1,530	157	NNW	3.8
612	238	ENE	5.8	1,710	267	E	6.7	1,710	213	NNE	2.8	1,710	162	NNW	5.0
801	236	NE	7.5	1,890	260	E	8.5	1,890	227	NE	1.7	1,890	173	N	4.7
990	227	NE	5.3	2,070	259	E	10.1	2,070	217	NE	2.0	2,070	167	NNW	2.5
1,170	216	NE	3.5	2,250	249	ENE	8.8	2,250	214	NE	2.7	2,250	103	WNW	1.5
1,350	213	NNE	4.5	2,430	228	NE	7.0	2,430	226	NE	2.7	2,430	84	W	2.5
1,530	206	NNE	5.2	2,610	220	NE	6.9	2,610	243	ENE	2.4	2,610	89	W	2.7
1,710	197	NNE	4.5	2,790	231	NE	6.5	2,790	248	ENE	2.6	2,790	99	W	2.8
1,890	177	N	3.3	2,970	245	ENE	6.0	2,970	241	ENE	3.0	2,970	95	W	3.2
2,070	161	NNW	2.5	3,150	242	ENE	6.4	3,150	246	ENE	3.0	3,150	96	W	3.4
2,250	154	NNW	1.7	3,330	238	ENE	6.8	3,330	254	ENE	3.2	3,330	94	W	3.4
2,430	212	NNE	1.3	3,510	238	ENE	7.6	3,510	257	ENE	3.2	3,510	87	W	3.9
2,610	296	ESE	3.4	Disappearance: Behind St. Aurora.				3,690	257	ENE	3.8	3,690	85	W	4.4
2,790	299	ESE	7.8	No. 137. June 9, 1929; 10h 44m. Clouds: 5 CiSt, 2 StCu ENE, 2 St E. Lt. drift				3,870	246	ENE	5.0	3,870	88	W	4.5
2,970	298	ESE	8.4	Surface	280	E	8.5	4,050	240	ENE	6.1	Disappearance: Behind antenna wire.			
3,150	311	SE	7.4	216	278	E	13.2	4,230	239	ENE	6.4	No. 143. June 12, 1929; 19h 53m. Clouds: 0			
3,330	301	ESE	7.0	414	272	E	8.5	Disappearance: Behind thin St.				Surface	Calm	-----	Calm
3,510	294	ESE	6.6	612	275	E	4.6	No. 140. June 11, 1929; 9h 46m. Clouds: 9 St ENE				216	19	SSW	1.3
3,690	295	ESE	6.4	801	269	E	3.5	Surface	272	E	2.7	414	52	SW	1.9
3,870	306	SE	5.7	990	259	E	4.7	216	248	ENE	1.9	612	47	SW	2.5
4,050	313	SE	5.7	1,170	271	E	7.2	414	202	NNE	2.1	801	34	SW	3.1
4,230	315	SE	6.5	1,350	280	E	9.1	612	210	NNE	3.3	990	46	SW	2.9
4,410	318	SE	7.4	1,530	276	E	10.5	801	201	NNE	5.3	1,170	75	WSW	2.8
4,590	320	SE	8.1	1,710	276	E	11.0	990	195	NNE	6.8	1,350	89	W	3.2
Disappearance: Behind ASt.				1,890	263	E	10.1	Disappearance: Behind St. Balloon entered St. Clouds first minute. Only 3 or 4 tenths of clouds when observation was started.				1,530	94	W	3.5
No. 135. June 8, 1929; 9h 50m. Clouds: Few Ci, Few StCu N				2,070	247	ENE	10.1	No. 141. June 11, 1929; 21h 32m. Clouds: 7 St NNW. Misting; lt. fog. Heavy de- posit of rime on windward side of all objects, as much as 3 inches				1,710	106	WNW	4.1
Surface	250	ENE	4.0	Disappearance: Behind St.				Surface	319	SE	1.3	1,890	112	WNW	4.2
216	253	ENE	8.7	No. 138. June 10, 1929; 10h 03m. Clouds: 3 CiSt, 7 St NE. Lt. snow during ob- servation. Aurora visible				216	262	E	2.1	2,070	99	W	3.9
414	234	NE	7.4	Surface	278	E	7.1	414	181	N	2.0	2,250	87	W	4.1
612	207	NNE	6.8	216	238	ENE	7.8	612	164	NNW	3.5	Disappearance: Obstruction.			
801	213	NNE	7.2	414	223	NE	8.7	801	161	NNW	5.3	No. 144. June 13, 1929; 10h 21m. Clouds: 3 St ENE			
990	217	NE	7.6	612	228	NE	8.4	990	167	NNW	4.9	Surface	355	S	1.3
1,170	212	NNE	7.3	801	225	NE	7.6	1,170	160	NNW	3.2	216	274	E	7.7
1,350	202	NNE	6.5	990	213	NNE	8.3	1,350	145	NW	2.7	414	258	ENE	7.0
1,530	187	N	5.8	1,170	209	NNE	9.2	Disappearance: Behind St.				612	249	ENE	4.4
1,710	182	N	6.9	Disappearance: Behind St.				Disappearance: Behind St.				801	247	ENE	2.9
1,890	189	N	8.4	Disappearance: Behind St.				Disappearance: Behind St.				990	248	ENE	2.2
2,070	184	N	9.4	Disappearance: Behind St.				Disappearance: Behind St.				1,170	248	ENE	1.8
2,250	175	N	11.5	Disappearance: Behind St.				Disappearance: Behind St.				1,350	209	NNE	1.5
2,430	172	N	14.7	Disappearance: Behind St.				Disappearance: Behind St.				1,530	163	NNW	2.5
2,610	171	N	17.9	Disappearance: Behind St.				Disappearance: Behind St.				1,710	175	N	3.1
2,790	172	N	18.5	Disappearance: Behind St.				Disappearance: Behind St.				1,890	188	N	2.8
2,970	172	N	17.6	Disappearance: Behind St.				Disappearance: Behind St.				2,070	188	N	2.4
Disappearance: Behind pipe.				Disappearance: Behind St.				Disappearance: Behind St.				Disappearance: Behind St.			

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 145. June 15, 1929; 19h 40m. Clouds: 3 Ci (SE?), 1 St SSE			
Surface	270	E	1.8
216	295	ESE	1.5
414	338	SSE	5.3
612	343	SSE	10.8
801	346	SSE	11.3
990	351	S	8.4
1,170	359	S	8.8
1,350	342	SSE	8.4
1,530	324	SE	6.8
1,710	328	SSE	6.0
1,890	325	SE	5.8
2,070	326	SE	5.9
2,250	327	SSE	5.8
2,430	327	SSE	5.8
2,610	323	SE	5.9
2,790	320	SE	5.4
2,970	325	SE	5.2
3,150	330	SSE	6.2
3,330	330	SSE	6.4
3,510	331	SSE	6.0
3,690	328	SSE	5.8
3,870	326	SE	5.8
4,050	325	SE	5.0
4,230	324	SE	5.4
4,410	325	SE	6.5
4,590	329	SSE	6.6
4,770	328	SSE	6.9
4,950	325	SE	6.9
Disappearance: Distance. Faint 22° lunar halo.			
No. 146. June 16, 1929; 10h 27m. Clouds: Few Ci			
Surface	Calm	-----	Calm
216	328	SSE	7.4
414	321	SE	15.6
612	326	SE	19.5
801	337	SSE	18.5
990	344	SSE	18.2
1,170	341	SSE	22.1
1,350	338	SSE	23.2
1,530	337	SSE	17.9
1,710	337	SSE	12.5
1,890	339	SSE	9.7
2,070	341	SSE	7.8
Disappearance: Distance.			
No. 147. June 16, 1929; 21h. Clouds: 8 CiSt			
Surface	333	SSE	1.8
216	296	ESE	12.9
414	278	E	15.5
612	268	E	10.0
801	270	E	7.7
990	276	E	7.4
1,170	280	E	7.7
1,350	278	E	9.2
1,530	274	E	10.9

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 147—Continued			
1,710	274	E	10.4
1,890	278	E	10.1
2,070	278	E	11.6
2,250	269	E	9.2
2,430	264	E	8.5
Disappearance: Frosting of lens. Faint 22° halo.			
No. 148. June 17, 1929; 22h 01m. Clouds: 8 CiSt, 2 Ast. Lt. drift, increasing			
Surface	289	ESE	10.3
216	289	ESE	18.0
414	288	ESE	17.2
612	290	ESE	12.1
801	297	ESE	8.2
990	304	SE	7.7
1,170	307	SE	7.5
1,350	298	ESE	8.3
1,530	286	ESE	10.7
1,710	282	ESE	13.5
1,890	282	ESE	15.2
Disappearance: Drifting snow. Moon faint, very faint 22° halo.			
No. 149. June 19, 1929; 14h 37m. Clouds 10 St N. Mod- erately heavy snow falling			
Surface	176	N	6.7
216	181	N	12.3
414	186	N	13.6
612	188	N	12.6
747	188	N	12.8
Disappearance: Entered St, 747 m.			
No. 150. June 20, 1929; 17h 23m. Clouds: 5 Ast (NE?), 5 St NE			
Surface	288	ESE	2.2
216	256	ENE	5.5
414	224	NE	6.6
612	217	NE	8.2
801	228	NE	6.6
990	268	E	4.4
1,170	268	E	6.5
1,350	248	ENE	9.3
1,530	240	ENE	10.6
1,710	241	ENE	11.3
Disappearance: Behind St. Strong water sky in N. Moon faint.			

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 151. June 21, 1929; 9h 57m. Clouds: 10 Ast E. Lt. snow			
Surface	280	E	2.2
216	23	SSW	2.9
414	24	SSW	3.9
612	353	S	3.8
801	321	SE	4.0
990	310	SE	3.8
1,170	310	SE	4.1
1,350	290	ESE	4.1
1,530	262	E	3.8
1,710	249	ENE	3.2
1,890	251	ENE	2.8
2,070	260	E	3.0
2,250	265	E	4.0
2,430	270	E	5.6
2,475	274	E	6.0
Disappearance: Entered Ast, 2,475 m.			
No. 152. June 21, 1929; 20h 57m. Clouds: 3 Ci, 1 St ESE			
Surface	268	E	5.4
216	291	ESE	11.1
414	294	ESE	9.0
612	271	E	5.6
801	257	ENE	5.4
990	257	ENE	5.8
1,170	260	E	4.9
1,350	262	E	4.2
1,530	255	ENE	3.1
1,710	248	ENE	2.9
1,890	255	ENE	3.0
2,070	257	ENE	3.4
2,250	254	ENE	2.7
2,430	254	ENE	2.1
2,610	254	ENE	2.1
Disappearance: Lantern out. Bright moonlight. Bright co- rona, 4 concentric rings. Very thin film of St passing over moon.			
No. 153. June 22, 1929; 10h 50m. Clouds: 3 CiSt, 6 ACu N			
Surface	24	SSW	2.2
216	296	ESE	10.8
414	286	ESE	13.7
612	278	E	10.2
801	282	ESE	4.8
990	311	SE	3.4
1,170	311	SE	4.0
1,350	295	ESE	4.5
1,530	270	E	5.2
1,710	253	ENE	6.2
1,890	228	NE	5.5
2,070	193	NNE	5.1
2,250	192	NNE	5.3
2,430	190	N	5.5
2,610	180	N	6.1

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 153—Continued			
2,790	172	N	6.8
2,970	165	NNW	7.0
3,150	163	NNW	7.5
3,330	166	NNW	8.4
3,510	163	NNW	9.7
3,690	158	NNW	10.3
3,870	157	NNW	10.3
4,050	158	NNW	10.4
4,230	157	NNW	10.8
4,410	158	NNW	11.3
Disappearance: Behind ACu. 22° lunar halo.			
No. 154. June 23, 1929; 14h 32m. Clouds: 6 CiSt NNW, 4 Ast NNE			
Surface	241	FNE	2.2
216	197	NNE	1.5
414	259	E	2.7
612	238	ENE	5.3
801	224	NE	6.1
990	213	NNE	6.2
1,170	217	NE	4.3
1,350	223	NE	3.5
1,530	202	NNE	4.5
1,710	196	NNE	6.0
1,890	204	NNE	6.7
2,070	211	NNE	7.5
2,250	214	NE	8.1
2,430	214	NE	10.0
2,610	211	NNE	12.0
2,790	203	NNE	11.8
2,970	201	NNE	12.4
3,150	204	NNE	13.2
Disappearance: Entered Ast, 3,150 m.			
No. 155. June 26, 1929; 21h 51m. Clouds: 5 St NW			
Surface	145	NW	1.3
216	141	NW	2.9
414	80	W	4.0
612	51	SW	5.2
801	38	SW	3.7
990	21	SSW	2.6
1,170	35	SW	2.2
1,350	61	WSW	2.8
1,530	45	SW	4.5
1,710	33	SSW	6.5
Disappearance: Behind St. Stratus clouds increased during observation.			
No. 156. June 27, 1929; 10h 28m. Clouds: 3 St NE			
Surface	226	NE	3.6
216	221	NE	6.6
414	197	NNE	6.4
612	197	NNE	6.4

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 156—Continued				No. 159. June 30, 1929; 9h 55m. Clouds: 2 ASt, 2 ACu, 1 St Sw				No. 162. July 2, 1929; 21h 35m. Clouds: 0				No. 165. July 5, 1929; 14h 47m. Clouds: 10 St ESE			
801	214	NE	5.7	Surface	63	WSW	2.7	Surface	37	SW	1.3	Surface	40	SW	4.0
990	222	NE	6.2	216	40	SW	6.4	216	337	SSE	4.6	216	307	SE	9.1
1,170	218	NE	6.4	414	55	SW	6.2	414	338	SSE	4.4	315	302	ESE	11.0
1,350	210	NNE	5.3	612	80	W	6.2	612	345	SSE	4.5	Disappearance: Entered St, 315 m.			
1,530	200	NNE	3.9	801	93	W	7.3	801	351	S	4.8	No. 166. July 6, 1929; 20h 55m. Clouds: 2 CiSt			
1,710	187	N	3.6	990	108	WNW	8.8	990	350	S	4.2	Surface	64	WSW	2.7
1,890	190	N	3.8	1,170	122	WNW	9.5	1,170	339	SSE	3.0	216	99	W	8.3
2,070	191	N	3.7	1,350	123	WNW	9.9	1,350	334	SSE	3.1	414	100	W	12.6
2,250	161	NNW	3.3	1,530	118	WNW	10.5	1,530	342	SSE	4.6	612	85	W	10.5
2,430	125	NW	3.4	1,710	117	WNW	10.6	1,710	347	SSE	5.1	801	54	SW	7.8
2,610	103	WNW	3.3	1,890	120	WNW	11.2	1,890	351	S	5.0	990	35	SW	7.5
2,790	108	WNW	3.7	2,070	122	WNW	11.2	2,070	356	S	4.7	1,170	30	SSW	5.1
2,970	110	WNW	4.5	2,250	116	WNW	11.2	2,250	13	SSW	3.8	1,350	42	SW	2.6
3,150	107	WNW	5.9	2,430	120	WNW	12.0	2,430	30	SSW	3.5	1,530	62	WSW	3.8
3,330	99	W	7.6	2,610	124	NW	13.8	2,610	40	SW	2.9	1,710	74	WSW	6.4
3,510	93	W	8.7	2,790	121	WNW	15.4	2,790	75	WSW	3.2	1,890	84	W	7.6
3,690	93	W	9.4	Disappearance: Behind St.				2,970	100	W	5.5	2,070	94	W	8.6
3,870	94	W	11.1	No. 160. July 1, 1929; 15h 12m. Clouds: 0				3,150	107	WNW	8.0	2,250	98	W	9.6
4,050	93	W	11.4	Surface	31	SSW	4.0	3,330	106	WNW	10.2	2,430	99	W	9.1
4,230	91	W	10.8	216	29	SSW	13.0	3,510	116	WNW	10.4	2,610	97	W	8.5
4,410	91	W	10.8	414	32	SSW	17.5	3,690	129	NW	10.2	2,790	93	W	8.2
Disappearance: Behind St. Faint aurora.				612	32	SSW	19.8	Disappearance: Lost from field.				2,970	90	W	7.9
No. 157. June 28, 1929; 14h 23m. Clouds: 10 St NNE				801	32	SSW	17.3	No. 163. July 3, 1929; 21h 05m. Clouds: 0				3,150	82	W	7.2
Surface	261	E	5.4	990	34	SW	13.1	Surface	34	SW	6.7	3,330	72	WSW	5.6
216	224	NE	4.5	1,170	37	SW	10.3	216	14	SSW	17.7	3,510	68	WSW	4.8
414	195	NNE	5.4	1,350	48	SW	8.2	414	10	S	20.9	Disappearance: Poor lantern, Faint aurora.			
612	196	NNE	5.3	1,530	55	SW	6.4	612	10	S	19.7	No. 167. July 7, 1929; 12h 35m. Clouds: 1 Ci (NW?)			
Disappearance: Entered St, 574 m.				1,710	51	SW	5.0	801	7	S	16.3	Surface	Calm	-----	Calm
No. 158. June 29, 1929; 12h 59m. Clouds: 1 ASt WNW				2,070	47	SW	6.2	990	3	S	14.9	216	72	WSW	4.1
Surface	50	SW	1.8	2,250	52	SW	6.0	Disappearance: Poor lantern. Aurora visible. Supply of lan- terns exhausted.				414	65	WSW	2.2
216	66	WSW	3.2	2,430	64	WSW	6.9	No. 164. July 4, 1929; 12h 50m. Clouds: 1 Ci				612	28	SSW	1.1
414	90	W	3.5	2,610	68	WSW	9.2	Surface	262	E	3.6	801	81	W	2.4
612	89	W	4.4	2,790	75	WSW	9.8	216	307	SE	6.2	990	95	W	4.5
801	79	W	5.7	2,970	78	WSW	9.4	414	354	S	6.4	1,170	75	WSW	5.0
990	78	WSW	6.4	Disappearance: Frosting of lens.				612	23	SSW	6.7	1,350	45	SW	3.1
1,170	82	W	6.8	No. 161. July 2, 1929; 11h 08m. Clouds: 0				801	47	SW	4.2	1,530	93	W	.7
1,350	84	W	6.9	Surface	288	ESE	2.2	990	82	W	1.0	1,710	103	WNW	2.1
1,530	92	W	7.7	216	345	SSE	4.3	1,170	147	NNW	1.8	1,890	73	WSW	2.9
1,710	98	W	8.1	414	14	SSW	4.2	1,350	146	NW	4.4	2,070	51	SW	2.4
1,890	102	WNW	7.7	612	19	SSW	5.2	1,530	142	NW	5.9	2,250	13	SSW	1.9
2,070	103	WNW	10.3	801	17	SSW	7.5	1,710	142	NW	6.2	2,430	353	S	1.9
2,250	108	WNW	11.9	990	22	SSW	8.0	1,890	143	NW	7.3	2,610	318	SE	1.9
2,430	109	WNW	12.2	1,170	22	SSW	7.5	2,070	144	NW	8.5	2,790	277	E	1.5
2,610	109	WNW	13.5	1,350	20	SSW	7.0	2,250	145	NW	9.6	2,970	279	E	.7
2,790	108	WNW	12.7	1,530	13	SSW	6.0	2,430	145	NW	10.0	3,150	341	SSE	1.1
2,970	104	WNW	12.8	1,710	6	S	5.7	2,610	147	NNW	9.8	3,330	327	SSE	1.3
3,150	103	WNW	14.0	1,890	11	S	5.4	2,790	151	NNW	9.0	3,510	328	SSE	.8
3,330	101	W	15.9	2,070	20	SSW	4.4	2,970	153	NNW	8.8	3,690	15	SSW	.5
3,510	100	W	17.3	2,250	34	SW	4.0	Disappearance: Poor lantern.				3,870	154	NNW	1.4
3,690	104	WNW	15.6	2,430	46	SW	4.3	No. 165. July 5, 1929; 14h 47m. Clouds: 10 St ESE				4,050	151	NNW	4.0
3,870	107	WNW	14.0	2,610	59	WSW	5.2	Disappearance: Candle out (?)				4,230	143	NW	4.6
Disappearance: Distance. Twilight in NW.				2,790	65	WSW	6.0	Disappearance: Poor lantern.				4,410	146	NW	3.6
No. 159. June 30, 1929; 9h 55m. Clouds: 2 ASt, 2 ACu, 1 St Sw				2,970	56	SW	6.1	Disappearance: Poor lantern.				4,590	153	NNW	4.3
No. 160. July 1, 1929; 15h 12m. Clouds: 0				3,150	54	SW	6.3	Disappearance: Poor lantern.				4,770	148	NNW	5.7
No. 161. July 2, 1929; 11h 08m. Clouds: 0				3,330	61	WSW	6.2	Disappearance: Poor lantern.				4,950	144	NW	5.9
No. 162. July 2, 1929; 21h 35m. Clouds: 0				Disappearance: Frost on lens.				Disappearance: Poor lantern.				5,130	142	NW	5.8
No. 163. July 3, 1929; 21h 05m. Clouds: 0				Disappearance: Frost on lens.				Disappearance: Poor lantern.							
No. 164. July 4, 1929; 12h 50m. Clouds: 1 Ci				Disappearance: Frost on lens.				Disappearance: Poor lantern.							
No. 165. July 5, 1929; 14h 47m. Clouds: 10 St ESE				Disappearance: Frost on lens.				Disappearance: Poor lantern.							
No. 166. July 6, 1929; 20h 55m. Clouds: 2 CiSt				Disappearance: Frost on lens.				Disappearance: Poor lantern.							
No. 167. July 7, 1929; 12h 35m. Clouds: 1 Ci (NW?)				Disappearance: Frost on lens.				Disappearance: Poor lantern.							

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 168. July 8, 1929; 14h 23m. Clouds: Few ASt (WNW?)				No. 170—Continued				No. 174. July 13, 1929; 14h 25m. Clouds: 2 Ci, 2 ASt				No. 178. July 16, 1929; 17h 54m. Clouds: 4 Ci			
Surface	24	SSW	1.8	4,050	130	NW	14.3	Surface	Calm	-----	Calm	Surface	52	SW	2.2
216	27	SSW	2.8	4,230	132	NW	15.0	216	274	E	5.0	216	2	S	2.1
414	31	SSW	2.6	4,410	130	NW	15.8	414	258	ENE	5.9	414	343	SSE	5.2
612	9	S	2.7	4,590	130	NW	17.0	612	241	ENE	6.8	612	345	SSE	8.0
801	339	SSE	3.8	4,770	130	NW	17.8	801	241	ENE	6.8	801	356	S	9.4
990	342	SSE	5.6	Disappearance: Distance. Aurora brilliant.				Disappearance: Lost from field.				990	355	S	10.7
1,170	351	S	4.8	No. 171. July 10, 1929; 15h 42m. Clouds: Few Ci				No. 175. July 13, 1929; 22h. Clouds: 5 Ci, 3 St ENE				1,170	351	S	11.2
1,350	61	WSW	2.4	Surface	Calm	-----	Calm	Surface	8	S	2.2	1,350	350	S	12.1
1,530	96	W	5.2	216	354	S	5.3	216	257	ENE	9.6	1,530	348	SSE	13.2
1,710	93	W	5.8	414	328	SSE	7.3	414	238	ENE	12.5	1,710	355	S	14.2
1,890	102	WNW	5.5	612	337	SSE	8.8	612	231	NE	13.1	1,890	358	S	15.7
2,070	112	WNW	5.2	801	349	S	10.1	Disappearance: Behind thin stratus. 22° lunar halo.				2,070	356	S	16.2
2,250	120	WNW	5.5	990	354	S	10.2	No. 176. July 4, 1929; 20h 12m. Clouds: 9 CiSt, Few St SSE				2,250	358	S	15.8
2,430	124	NW	5.9	1,170	5	S	9.4	Surface	356	S	1.3	Disappearance: ? Bright 22° halo and upper tangent arc.			
2,610	118	WNW	6.4	1,350	7	S	9.1	216	344	SSE	5.1	No. 179. July 17, 1929; 14h 37m. Clouds: 0			
2,790	117	WNW	8.1	1,530	7	S	7.6	414	314	SE	8.2	Surface	75	WSW	1.3
2,970	119	WNW	9.8	1,710	9	S	3.3	612	304	SE	9.8	216	62	WSW	5.9
3,150	115	WNW	10.9	1,890	50	SW	1.4	801	299	ESE	9.5	414	61	WSW	5.0
3,330	111	WNW	11.7	2,070	118	WNW	1.1	990	294	ESE	9.7	612	56	SW	4.8
Disappearance: Poor lantern.				2,250	127	NW	.9	1,170	286	ESE	7.8	801	65	WSW	5.3
No. 169. July 9, 1929; 12h 54m. Clouds: 0				2,430	133	NW	2.5	1,350	294	ESE	6.8	990	68	WSW	4.6
Surface	49	SW	3.1	2,610	128	NW	5.5	1,530	302	ESE	8.1	1,170	77	WSW	3.0
216	359	S	9.0	2,790	137	NW	8.3	1,710	303	ESE	9.3	1,350	87	W	2.8
414	1	S	15.5	2,970	157	NNW	10.8	1,890	297	ESE	10.1	Disappearance: Lost behind anemometer.			
612	8	S	16.4	3,150	166	NNW	11.6	2,070	293	ESE	10.5	No. 180. July 17, 1929; 21h 11m. Clouds: 0			
801	10	S	14.5	3,330	170	N	11.2	2,250	287	ESE	10.5	Surface	317	SE	1.3
990	16	SSW	12.4	Disappearance: Frost on lens.				2,430	280	E	10.5	216	74	WSW	2.3
1,170	23	SSW	9.9	No. 172. July 11, 1929; 22h 40m. Clouds: 0. Lt. drift				2,610	282	ESE	10.3	414	91	W	3.8
1,350	26	SSW	8.9	Surface	44	SW	6.3	2,790	285	ESE	10.0	612	98	W	4.3
1,530	37	SW	8.8	216	34	SW	23.7	2,970	284	ESE	10.1	801	98	W	4.5
1,710	46	SW	8.2	414	33	SSW	33.8	3,150	281	E	10.5	990	93	W	4.1
Disappearance: Poor lantern.				612	35	SW	39.2	3,330	275	E	9.7	1,170	83	W	3.8
No. 170. July 9, 1929; 21h 14m. Clouds: Few Ci (NW?)				Disappearance: Obstruction.				3,510	274	E	8.5	1,350	92	W	3.5
Surface	52	SW	3.1	No. 173. July 12, 1929; 21h 35m. Clouds: 4 Ci. Haze due to falling of ice crystals				Disappearance: Distance.				1,530	113	WNW	3.4
216	26	SSW	4.5	Surface	Calm	-----	Calm	No. 177. July 15, 1929; 18h 04m. Clouds: 0				1,710	114	WNW	3.9
414	359	S	6.4	216	354	S	1.9	Surface	353	S	0.9	1,890	112	WNW	4.7
612	9	S	7.4	414	67	WSW	5.7	216	353	S	3.7	2,070	105	WNW	4.7
801	18	SSW	8.5	612	70	WSW	8.5	414	52	SW	3.1	2,250	95	W	4.6
990	32	SSW	8.6	801	74	WSW	9.5	612	51	SW	3.0	2,430	89	W	5.6
1,170	39	SW	8.9	990	71	WSW	11.5	801	5	S	1.7	2,610	87	W	6.3
1,350	45	SW	9.8	1,170	68	WSW	13.6	990	296	ESE	1.1	2,790	88	W	5.8
1,530	52	SW	9.3	1,350	57	WSW	13.8	1,170	267	E	1.7	2,970	96	W	4.7
1,710	61	WSW	8.6	1,530	60	WSW	15.0	1,350	282	ESE	2.1	3,150	106	WNW	4.0
1,890	69	WSW	8.6	1,710	62	WSW	16.6	Disappearance: Frost on lens.				Disappearance: Focus mecha- nism frozen.			
2,070	77	WSW	8.7	Disappearance: Ice crystals in air.				No. 181. July 18, 1929; 21h 01m. Clouds: 2 Ci				Surface	54	SW	4.0
2,250	86	W	8.5									216	24	SSW	5.5
2,430	97	W	8.2									414	31	SSW	3.7
2,610	107	WNW	7.6									612	17	SSW	5.3
2,790	122	WNW	7.3												
2,970	127	NW	6.0												
3,150	127	NW	5.6												
3,330	126	NW	8.3												
3,510	127	NW	10.7												
3,690	127	NW	12.1												
3,870	127	NW	13.6												

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 181—Continued				No. 184. July 23, 1929; 20h 02m. Clouds: 1 St. SW				No. 187. July 26, 1929; 20h 33m. Clouds: 0				No. 189—Continued			
801	7	S	8.3	Surface	13	SSW	1.3	Surface	74	WSW	2.7	2,250	55	SW	11.3
990	356	S	9.3	216	36	SW	4.4	216	46	SW	9.6	2,430	51	SW	10.5
1,170	345	SSE	10.1	414	62	WSW	7.5	414	46	SW	13.4	2,610	46	SW	9.0
1,350	344	SSE	10.4	612	63	WSW	9.1	612	51	SW	13.0	2,790	42	SW	8.0
1,530	345	SSE	10.7	801	59	WSW	8.2	801	46	SW	11.6	2,970	47	SW	8.5
1,710	341	SSE	11.2	990	55	SW	7.4	990	38	SW	11.0	3,150	52	SW	8.5
1,890	341	SSE	11.2	1,170	47	SW	7.8	1,170	36	SW	10.3	3,330	51	SW	8.0
2,070	348	SSE	9.5	1,350	35	SW	8.6	1,350	32	SSW	10.2	Disappearance: Local smoke.			
2,250	349	S	7.5	1,530	29	SSW	9.6	1,530	31	SSW	10.7	No. 190. July 29, 1929; 21h 48m. Clouds: 6 Ci			
2,430	358	S	6.8	1,710	27	SSW	10.0	1,710	33	SSW	11.2	Surface	9	S	4.8
2,610	0	S	6.0	1,890	25	SSW	9.2	1,890	33	SSW	12.0	216	302	ESE	12.0
2,790	4	S	6.0	2,070	21	SSW	8.2	2,070	35	SW	12.5	414	301	ESE	10.3
2,970	0	S	6.5	2,250	18	SSW	8.6	2,250	33	SSW	13.0	612	289	ESE	6.3
3,150	357	S	7.1	2,430	16	SSW	8.5	2,430	27	SSW	13.5	801	277	E	7.2
3,330	354	S	7.8	2,610	12	SSW	7.9	2,610	24	SSW	13.5	990	283	ESE	8.7
3,510	348	SSE	8.2	2,790	9	S	7.8	2,790	24	SSW	13.0	1,170	274	E	8.3
3,690	343	SSE	8.3	2,970	13	SSW	8.2	2,970	24	SSW	12.5	1,350	246	ENE	6.3
3,870	338	SSE	8.5	3,150	12	SSW	8.3	3,150	23	SSW	14.4	1,530	199	NNE	3.5
4,050	338	SSE	7.0	3,330	9	S	8.5	3,330	25	SSW	16.0	1,710	147	NNW	4.8
Disappearance: Distance. Bright 22° halo and upper tangent arc.				3,510	4	S	8.7	3,510	26	SSW	16.5	1,890	146	NW	6.8
No. 182. July 19, 1929; 21h 44m. Clouds: Few St W				3,690	2	S	8.3	3,690	26	SSW	16.6	2,070	151	NNW	7.5
Surface	133	NW	6.3	Disappearance: Distance.				Disappearance: Distance.				2,250	151	NNW	8.3
216	92	W	8.5	No. 185. July 24, 1929; 11h 26m. Clouds: 3 Ci				No. 188. July 27, 1929; 20h 41m. Clouds: 0				2,430	149	NNW	8.5
414	85	W	15.2	Surface	37	SW	1.3	Surface	37	SW	1.3	2,610	148	NNW	9.5
612	91	W	19.3	216	63	WSW	6.1	216	88	W	0.7	2,790	149	NNW	10.7
801	95	W	19.3	414	69	WSW	6.8	414	95	W	1.0	2,970	148	NNW	11.0
990	92	W	16.8	612	80	W	7.0	612	23	SSW	5.5	3,150	149	NNW	12.7
1,170	87	W	15.0	801	99	W	8.3	801	12	SSW	8.0	3,330	146	NW	13.7
1,350	83	W	15.8	990	104	WNW	9.9	990	10	S	8.6	3,510	150	NNW	15.2
Disappearance: Behind pipe.				1,170	102	WNW	10.6	1,170	25	SSW	7.8	3,690	148	NNW	16.3
No. 183. July 21, 1929; 10h 19m. Clouds: 7 CiSt				Disappearance: Behind pipe.				Disappearance: Falling ice crystals.				3,870	148	NNW	16.7
Surface	41	SW	1.3	No. 186. July 25, 1929; 10h 23m. Clouds: 3 Ci (?), 1 ASt WSW, 2 St W				No. 189. July 28, 1929; 14h 35m. Clouds: Few Ci				Disappearance: Frosting of lens.			
216	270	E	4.1	Surface	31	SSW	1.8	Surface	Calm	-----	Calm	No. 191. July 30, 1929; 22h 53m. Clouds: 5 ASt (WSW?), 4 StCu WSW. Lt. snow and lt. drift became dense at 10h 58m			
414	282	ESE	4.7	216	89	W	6.9	216	43	SW	6.5	Surface	22	SSW	5.4
612	336	SSE	4.5	414	105	WNW	10.3	414	43	SW	5.3	216	32	SSW	5.8
801	18	SSW	7.0	612	113	WNW	9.2	612	52	SW	5.0	414	82	W	6.0
990	30	SSW	9.2	801	126	NW	9.0	801	47	SW	5.5	612	84	W	5.5
1,170	34	SW	10.1	990	135	NW	9.4	990	45	SW	6.3	801	92	W	5.6
1,350	43	SW	9.6	1,170	117	WNW	9.5	1,170	48	SW	6.8	990	85	W	7.5
1,530	48	SW	9.4	1,350	101	W	11.7	1,350	51	SW	8.2	1,170	77	WSW	9.0
1,710	49	SW	8.5	1,530	97	W	12.4	1,530	50	SW	9.8	Disappearance: Drifting snow. Barometer rising sharply. Vari- ation of surface wind at time of observation: 22h 43m, ESE— 10 m. p. h.; 22h 44m, WSW— 14 m. p. h.; 22h 45m, SW—4 m. p. h.; 22h 48m, SSW—13 m. p. h.; 22h 53m, SSW—13 m. p. h.; 22h 58m, SSW—25 m. p. h.			
1,890	53	SW	7.0	1,710	94	W	11.8	1,710	50	SW	11.1				
2,070	53	SW	7.5	1,890	94	W	12.6	1,890	50	SW	12.0				
2,250	50	SW	9.8	2,070	92	W	14.6	2,070	53	SW	11.9				
2,430	47	SW	10.4	2,250	92	W	16.0								
2,610	46	SW	10.5	2,430	93	W	16.5								
2,790	47	SW	10.8	Disappearance: Behind thin St. Stratus formed overhead while observation was being made.											
2,970	50	SW	9.7												
3,150	52	SW	9.4												
3,330	52	SW	10.0												
3,510	52	SW	10.3												
3,690	51	SW	11.7												
3,870	50	SW	12.3												
4,050	50	SW	11.2												
Disappearance: Distance.															

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 192. Aug. 3, 1929; 21h 45m. Clouds: Few AS				No. 195. Aug. 7, 1929; 15h 41m. Clouds: 3 St (?)				No. 198. Aug. 11, 1929; 21h 31m. Clouds: 3 Ci. Lt. snow falling. Faint 22° lunar halo				No. 200. Aug. 13, 1929; 19h 16m. Clouds: 0			
Surface	16	SSW	3.1	Surface	320	SE	1.8	Surface	96	W	1.3	Surface	64	WSW	2.2
216	333	SSE	3.7	216	355	S	4.7	216	13	SSW	8.0	216	70	WSW	6.8
414	327	SSE	5.4	414	8	S	2.8	414	355	S	2.7	414	86	W	10.5
612	335	SSE	7.2	612	358	S	1.2	612	352	S	6.5	612	93	W	10.8
801	349	S	8.2	801	335	SSE	2.5	801	0	S	5.2	801	94	W	9.7
990	3	S	8.3	990	332	SSE	4.1	990	4	S	4.3	990	93	W	9.6
1,170	18	SSW	7.5	1,170	330	SSE	3.4	1,170	349	S	3.6	1,170	101	W	7.7
1,350	25	SSW	5.2	1,350	310	SE	0.5	1,350	312	SE	3.2	1,350	113	WNW	7.2
1,530	25	SSW	2.9	1,530	150	NNW	1.7	1,530	276	E	1.5	1,530	127	NW	6.7
1,710	31	SSW	4.0	1,710	151	NNW	2.0	1,710	127	NW	8	1,710	144	NW	6.5
1,890	34	SW	4.5	1,890	179	N	1.6	1,890	106	WNW	2.2	1,890	148	NNW	7.6
2,070	55	SW	2.7	2,070	215	NE	2.5	2,070	125	NW	3.5	2,070	154	NNW	7.7
2,250	88	W	3.1	2,250	220	NE	3.3	2,250	127	NW	4.8	2,250	159	NNW	7.9
2,430	96	W	2.8	2,430	220	NE	3.0	2,430	122	WNW	6.0	2,430	160	NNW	8.7
2,610	105	WNW	2.3					2,610	117	WNW	6.8	2,610	167	NNW	10.3
2,790	126	NW	2.2	Disappearance: Frost on lens.				2,790	123	WNW	6.7	2,790	172	N	11.4
2,970	143	NW	2.3	No. 196. Aug. 8, 1929; 20h 29m. Clouds: 2 Ci				2,970	129	NW	6.7	2,970	178	N	11.5
3,150	141	NW	2.5	Surface	15	SSW	3.1	3,150	137	NW	6.8	3,150	180	N	13.6
3,330	139	NW	2.5	216	317	SE	7.3	3,330	150	NNW	7.0	3,330	180	N	16.0
3,510	155	NNW	2.2	414	305	SE	9.4	3,510	157	NNW	7.2	3,510	181	N	17.1
3,690	175	N	1.0	612	304	SE	6.4	3,690	155	NNW	7.8	3,690	183	N	18.4
Disappearance: Frosting of lens.				801	305	SE	4.0	3,870	152	NNW	8.8	3,870	186	N	19.2
No. 193. Aug. 5, 1929; 21h 30m. Clouds: 0. Ice crystals falling				990	310	SE	2.2	4,050	150	NNW	9.9	Disappearance: Distance.			
Surface	10	S	5.4	1,170	315	SE	2.1	4,230	153	NNW	10.5	No. 201. Aug. 14, 1929; 18h 07m. Clouds: 4 CiSt, 2 St N			
216	9	S	3.7	1,350	304	SE	2.3	4,410	152	NNW	12.2	Surface	203	NNE	4.0
414	168	NNW	2.2	1,530	294	ESE	2.4	4,590	148	NNW	14.0	216	189	N	9.3
612	164	NNW	7.4	1,710	283	ESE	2.5	4,770	145	NW	12.8	414	185	N	9.0
801	171	N	10.7	1,890	276	E	2.0	4,950	139	NW	13.6	612	181	N	9.2
990	174	N	11.5	2,070	283	ESE	1.5	5,130	136	NW	16.2	801	177	N	8.5
1,170	171	N	12.0	2,250	293	ESE	1.6	Disappearance: Frost on eyepiece.				990	169	N	7.2
1,350	168	NNW	11.6	2,430	288	ESE	2.2	No. 199. Aug. 12, 1929; 18h 14m. Clouds: 1 Ci				1,170	173	N	9.4
1,530	161	NNW	11.8	2,610	291	ESE	2.5	Surface	41	SW	1.8	1,350	178	N	12.8
1,710	161	NNW	12.3	2,790	309	SE	2.9	216	22	SSW	5.0	1,530	174	N	13.6
1,890	166	NNW	12.8	2,970	302	ESE	3.2	414	52	SW	1.8	1,710	173	N	13.0
2,070	166	NNW	14.5	3,150	292	ESE	3.6	612	163	NNW	2.3	1,890	179	N	12.4
2,250	166	NNW	16.3	3,330	302	ESE	3.3	801	166	NNW	2.7	2,070	178	N	13.0
2,430	167	NNW	16.7	3,510	317	SE	2.5	990	134	NW	3.2	2,250	175	N	14.0
2,610	164	NNW	16.3	3,690	319	SE	2.2	1,170	127	NW	3.9	2,430	174	N	14.2
2,790	164	NNW	17.7	Disappearance: Frosting of lens.				1,350	135	NW	3.7	Disappearance: Behind St.			
2,970	165	NNW	19.0	No. 197. Aug. 9, 1929; 21h 16m. Clouds: 0. Parase- lenae and lunar pillar				1,530	138	NW	4.5	No. 202. Aug. 15, 1929; 19h 39m. Clouds: 9 StCu E, Few St SSE			
Disappearance: Distance. South wind extended upward only about 100 m, then shifted to northerly.				Surface	15	SSW	1.8	1,710	141	NW	5.7	Surface	358	S	4.0
No. 194. Aug. 6, 1929; 21h 57m. Clouds: StCu ENE, Few St E				216	346	SSE	5.7	1,890	145	NW	5.7	216	308	SE	10.8
Surface	10	S	4.0	414	342	SSE	6.5	2,070	142	NW	5.3	414	305	SE	14.0
108	319	SE	3.8	612	341	SSE	8.5	2,250	142	NW	7.0	612	307	SE	11.7
216	290	ESE	11.1	801	337	SSE	10.0	2,430	143	NW	6.7	801	310	SE	9.0
414	280	E	13.0	990	351	S	10.5	2,610	149	NNW	9.6	990	297	ESE	8.9
612	265	E	9.5	1,170	1	S	9.1	2,790	153	NNW	10.2	1,170	285	ESE	9.7
801	259	E	8.1	1,350	0	S	7.5	2,970	154	NNW	10.4	1,350	269	E	8.6
990	256	ENE	8.3	Disappearance: Frost on prism.				3,150	148	NNW	10.5	1,530	261	E	8.0
1,170	258	ENE	8.5	Disappearance: Steam from pipe.				3,330	139	NW	11.3	1,620	262	E	8.4
1,350	257	ENE	8.5	Disappearance: Entered StCu, 1,530 m. Water sky to north.				3,510	136	NW	12.4	Disappearance: Entered StCu, 1,620 m.			
1,530	255	ENE	8.2	Disappearance: Entered StCu, 1,620 m.				3,690	140	NW	13.0				
								3,870	139	NW	13.5				
								4,050	137	NW	13.8				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 203. Aug. 18, 1929; 20h 20m. Clouds: 7 StCu NE, Few St E. Brilliant co- rona, 4 bands of color.			
Surface	302	ESE	1.8
216	281	E	7.7
414	267	E	9.0
612	262	E	10.0
801	252	ENE	10.2
990	239	ENE	11.4
1,170	228	NE	13.2
1,350	227	NE	14.2
1,530	232	NE	14.9
1,710	234	NE	16.1
1,890	234	NE	17.0
2,070	231	NE	18.8
2,250	228	NE	21.0

Disappearance: Entered StCu, 2250 m.			
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No. 204. Aug. 19, 1929; 20h 57m. Clouds: 9 ASt (NE?)			
Surface	285	ESE	5.4
216	233	NE	8.5
414	217	NE	9.1
612	209	NNE	10.0
801	206	NNE	11.9
990	201	NNE	13.7
1,170	195	NNE	14.7
1,350	193	NNE	12.9
1,530	201	NNE	10.8
1,710	208	NNE	10.5
1,890	210	NNE	9.5
2,070	218	NE	9.0
2,250	225	NE	9.9
2,430	228	NE	10.8
2,610	230	NE	10.8
2,790	228	NE	11.3
2,970	228	NE	12.3
3,150	226	NE	13.0

Disappearance: Local smoke.			
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No. 205. Aug. 21, 1929; 9h 57m. Clouds: 9 ASt W, 1 St WSW. Vis.: 7.			
Surface	76	WSW	2.7
216	64	WSW	9.0
414	70	WSW	13.0
612	67	WSW	13.5
801	68	WSW	12.5
990	74	WSW	12.7
1,170	76	WSW	12.4
1,350	80	W	12.5
1,530	86	W	14.4
1,710	87	W	16.0
1,890	80	W	17.3
2,070	74	WSW	17.4
2,250	67	WSW	16.2
2,430	64	WSW	15.5
2,610	67	WSW	14.2
2,790	74	WSW	13.5
2,970	77	WSW	13.4

Disappearance: Frosting of lens.			
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Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 205—Continued			
3,150	81	W	14.0
3,330	84	W	14.5
3,510	79	W	14.0
3,690	78	WSW	13.6

Disappearance: Distance. Entered St, 895 m.			
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No. 206. Aug. 22, 1929; 13h 26m. Clouds: 3 Ci, Few St Cu S. Vis.: 9			
Surface	46	SW	5.4
216	16	SSW	14.2
414	1	S	15.7
612	356	S	13.7
801	3	S	13.4
990	1	S	14.6
1,170	353	S	13.3
1,350	352	S	11.7
1,530	348	SSE	10.8
1,710	352	S	10.3
1,890	357	S	11.3
2,070	358	S	12.3
2,250	3	S	12.7
2,430	5	S	13.0
2,610	9	S	13.5
2,790	14	SSW	15.0
2,970	16	SSW	16.0
3,150	18	SSW	15.2
3,330	21	SSW	15.3
3,510	19	SSW	15.8

Disappearance: Distance.			
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No. 207. Aug. 23, 1929; 19h 06m. Clouds: 0			
Surface	283	ESE	2.7
216	294	ESE	3.8
414	345	SSE	5.5
612	0	S	8.0
801	7	S	8.5
990	15	SSW	7.5
1,170	30	SSW	8.7
1,350	35	SW	9.8
1,530	33	SSW	8.1
1,710	35	SW	6.3
1,890	46	SW	5.3
2,070	55	SW	4.8
2,250	30	SSW	4.9
2,430	0	S	4.8
2,610	327	SSE	3.7
2,790	347	SSE	4.2
2,970	12	SSW	6.2
3,150	14	SSW	7.8
3,330	16	SSW	9.0
3,510	24	SSW	9.0
3,690	26	SSW	9.8
3,870	20	SSW	12.3
4,050	15	SSW	13.1
4,230	12	SSW	12.8

Disappearance: Frosting of lens.			
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Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 208. Aug. 25, 1929; 14h 29m. Clouds: 1 ASt (S?), lt. haze. Vis.: 5			
Surface	59	WSW	1.3
216	310	SE	4.4
414	311	SE	6.7
612	320	SE	6.0
801	334	SSE	5.8
990	331	SSE	5.1
1,170	332	SSE	3.5
1,350	337	SSE	3.8
1,530	322	SE	3.5
1,710	325	SE	3.6
1,890	340	SSE	3.2
2,070	345	SSE	2.8
2,250	1	S	2.0

Disappearance: Bursting.			
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No. 209. Aug. 26, 1929; 12h 13m. Clouds: Few Ci. Vis: 9			
Surface	Calm		Calm
216	13	SSW	11.5
414	15	SSW	14.5
612	19	SSW	14.7
801	27	SSW	11.0
990	41	SW	6.6
1,170	58	WSW	3.7
1,350	69	WSW	2.3
1,530	130	NW	1.0
1,710	171	N	2.1
1,890	136	NW	1.9
2,070	124	NW	2.7
2,250	134	NW	4.2
2,430	135	NW	5.3
2,610	134	NW	5.9
2,790	138	NW	5.6
2,970	145	NW	5.7
3,150	148	NNW	6.0

Disappearance: Behind ane- nometer post.			
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No. 210. Aug. 27, 1929; 11h 36m. Clouds: 8 CiSt, Few ASt NW. Vis: 9			
Surface	Calm		Calm
216	56	SW	7.1
414	57	WSW	12.0
612	55	SW	14.1
801	54	SW	15.8
990	56	SW	17.2
1,170	63	WSW	17.5
1,350	67	WSW	17.2
1,530	62	WSW	14.4
1,710	61	WSW	10.8
1,890	76	WSW	7.2
2,070	85	W	6.3
2,250	99	W	5.8
2,430	116	WNW	4.6
2,610	120	WNW	3.5
2,790	127	NW	3.6

Disappearance: Entered ASt, 1,530 m.			
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Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 210—Continued			
2,970	129	NW	4.5
3,150	132	NW	5.1
3,330	148	NNW	5.8
3,510	144	NW	5.8
3,690	140	NW	5.6
3,870	147	NNW	6.3
4,050	155	NNW	6.6
4,230	155	NNW	7.5
4,410	150	NNW	6.5
4,590	144	NW	5.4

Disappearance: Local smoke.			
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No. 211. Aug. 28, 1929; 10h 21m. Clouds: 7 CiSt, 1 St W. Vis.: 6			
Surface	Calm		Calm
216	83	W	4.7
414	61	WSW	11.0
612	65	WSW	16.1
801	73	WSW	16.5
990	80	W	19.1
1,170	77	WSW	14.5
1,350	62	WSW	7.0
1,530	75	WSW	2.5
1,710	113	WNW	2.2
1,890	118	WNW	1.0
2,070	144	NW	1.0
2,250	162	NNW	1.3
2,430	173	N	1.7
2,610	171	N	2.1
2,790	173	N	2.6
2,970	190	N	3.0
3,150	206	NNE	3.3
3,330	205	NNE	3.3
3,510	208	NNE	4.2
3,690	210	NNE	4.5
3,870	215	NE	4.2
4,050	225	NE	3.7

Disappearance: Behind St. St increased to 8 at end of obser- vation.			
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No. 212. Aug. 30, 1929; 14h 10m. Clouds: 10 ASt SSW. Vis.: 6. Lt. snow falling			
Surface	Calm		Calm
216	7	S	5.3
414	7	S	7.9
612	7	S	8.5
801	9	S	8.8
990	13	SSW	9.8
1,170	11	S	9.1
1,350	10	S	8.2
1,530	11	S	8.0

Disappearance: Entered ASt, 1,530 m.			
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TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind					
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		
No. 213. Aug. 31, 1929; 9h 23m. Clouds: Few Ci. Vis.: 9. Haze due to falling ice crystals when observation started				No. 214—Continued				No. 216—Continued				No. 218. Sept. 5, 1929; 14h 02m. Clouds: 10 St WNW. Vis.: 6. Lt. snow.					
Surface	20	SSW	5.8	4,230	142	NW	4.6	4,590	181	N	17.9	Surface	45	SW	2.7		
216	348	SSE	4.1	4,410	161	NNW	4.8	4,770	180	N	18.1	216	124	NW	7.8		
414	333	SSE	2.1	4,590	165	NNW	4.6	4,950	183	N	18.3	414	113	WNW	11.5		
612	351	S	2.6	4,770	170	N	4.8	5,130	184	N	19.2	513	111	WNW	13.4		
801	348	SSE	4.9	4,950	172	N	5.7	5,310	180	N	19.3	Disappearance: Entered St, 513 m.					
990	350	S	8.8	5,130	166	NNW	6.0	5,490	177	N	18.0	No. 219. Sept. 6, 1929; 11h 48m. Clouds: Few StCu SW. Vis.: 9					
1,170	346	SSE	11.9	5,490	175	N	7.5	5,670	179	N	17.8	Surface	69	WSW	2.7		
1,350	348	SSE	12.9	5,670	181	N	8.7	5,850	179	N	17.5	216	48	SW	6.5		
1,530	352	S	13.5	5,850	178	N	10.4	6,030	177	N	17.2	414	62	WSW	7.6		
1,710	351	S	12.2	6,030	169	N	10.8	6,210	176	N	17.6	612	59	WSW	7.5		
1,890	353	S	10.0	6,210	160	NNW	11.1	Disappearance: Distance.				801	50	SW	8.4		
2,070	359	S	10.3	6,390	155	NNW	11.2	No. 217. Sept. 4, 1929; 13h 40m. Clouds: 2 CiSt NE. Vis.: 9	Surface	22	SSW	2.2	990	47	SW	7.5	
2,250	358	S	11.3	6,570	158	NNW	11.3	216		45	SW	8.5	1,170	44	SW	5.3	
2,430	351	S	10.6	6,750	166	NNW	11.7	414	57	WSW	9.0	1,350	40	SW	5.7		
2,610	345	SSE	10.7	6,930	165	NNW	12.0	612	58	WSW	8.8	1,530	40	SW	5.8		
2,790	350	S	10.7	7,110	162	NNW	11.7	801	57	WSW	8.4	1,710	39	SW	6.8		
2,970	352	S	12.8	7,290	155	NNW	11.4	990	49	SW	7.7	1,890	37	SW	7.8		
3,150	351	S	13.0	7,470	151	NNW	12.1	1,170	34	SW	7.8	2,070	38	SW	7.7		
3,330	348	SSE	14.1	7,650	152	NNW	12.8	1,350	25	SSW	8.0	2,250	41	SW	7.8		
3,510	346	SSE	15.0	7,830	158	NNW	13.5	1,530	20	SSW	5.3	2,430	42	SW	7.5		
3,690	350	S	15.9	8,010	156	NNW	13.4	1,710	36	SW	2.6	2,610	38	SW	7.4		
3,870	353	S	15.6	8,190	157	NNW	13.1	1,890	17	SSW	1.8	2,790	41	SW	7.6		
4,050	352	S	14.7	8,370	158	NNW	13.0	2,070	257	ENE	2.0	2,970	24	SSW	7.9		
4,230	354	S	15.0	Disappearance: (?) Cirrus thickening.				2,250	245	ENE	4.1	3,150	1	S	8.1		
4,410	353	S	15.4	No. 215. Sept. 2, 1929; 13h. Clouds: 9 St NNE. Vis.: 7	Surface	21	SSW	4.0	2,430	248	ENE	5.2	3,330	356	S	6.5	
4,590	350	S	15.2	216		335	SSE	2.5	2,610	235	NE	6.0	3,510	350	S	6.7	
4,770	348	SSE	15.0	Surface	216	414	225	NE	2.5	2,790	224	NE	7.2	3,690	334	SSE	7.0
4,950	348	SSE	14.8			612	188	N	2.0	2,970	228	NE	7.6	3,870	321	SE	6.7
5,130	349	S	14.8	Surface	216	675	197	NNE	1.0	3,150	239	ENE	9.0	4,050	317	SE	6.4
5,310	351	S	14.0			Disappearance: Entered St, 675 m.				3,330	240	ENE	10.6	4,230	316	SE	6.5
5,490	347	SSE	14.0	No. 216. Sept. 3, 1929; 11h 18m. Clouds: 0. Vis.: 7. Haze along horizon				3,510	235	NE	11.5	4,410	322	SE	7.2		
5,670	342	SSE	14.2	Surface	48	SW	5.4	3,690	229	NE	13.0	4,590	327	SSE	7.0		
5,850	340	SSE	14.4	216	25	SSW	14.6	3,870	228	NE	14.4	4,770	328	SSE	7.2		
6,030	340	SSE	15.8	414	24	SSW	9.5	4,050	232	NE	15.2	4,950	323	SE	7.3		
6,210	342	SSE	15.2	612	48	SW	3.9	4,230	233	NE	15.9	5,130	321	SE	7.2		
6,390	342	SSE	14.0	801	69	WSW	3.5	4,410	230	NE	16.2	5,310	319	SE	7.0		
Disappearance: Local smoke.				990	85	W	2.5	4,590	232	NE	17.0	5,490	328	SSE	6.0		
No. 214. Sept. 1, 1929; 11h 49m. Clouds: 5 Ci (NNW)? Vis.: 9.	Surface	35	SW	1,170	134	NW	1.1	4,770	232	NE	18.0	5,670	341	SSE	5.5		
1,350				151	NNW	0.7	4,950	232	NE	17.7	5,850	0	S	5.2			
Surface	35	SW	0.9	1,530	122	WNW	1.9	5,130	231	NE	18.2	6,030	12	SSW	5.4		
216	24	SSW	4.0	1,710	141	NW	2.4	5,310	230	NE	18.1	6,210	19	SSW	6.0		
414	28	SSW	3.2	1,890	180	N	3.8	5,490	230	NE	18.6	6,390	31	SSW	8.0		
612	31	SSW	11.3	2,070	185	N	5.8	5,670	229	NE	20.7	6,570	40	SW	9.6		
801	30	SSW	11.9	2,250	184	N	6.8	6,030	222	NE	19.0	6,750	46	SW	12.0		
990	23	SSW	13.4	2,430	183	N	7.3	6,210	225	NE	17.8	6,930	50	SW	14.4		
1,170	24	SSW	13.5	2,610	179	N	7.5	6,390	227	NE	16.7	7,110	52	SW	15.5		
1,350	28	SSW	13.3	2,790	182	N	7.8	6,570	227	NE	15.6	7,290	55	SW	18.5		
1,530	27	SSW	11.2	2,970	188	N	9.0	6,750	225	NE	15.0	7,470	59	WSW	20.3		
1,710	27	SSW	9.3	3,150	189	N	10.2	7,110	225	NE	14.5	7,650	61	WSW	20.6		
1,890	25	SSW	9.8	3,330	186	N	10.1	7,290	220	NE	14.0	7,830	63	WSW	21.5		
2,070	16	SSW	7.1	3,510	178	N	10.1	7,470	210	NNE	12.8	8,010	67	WSW	19.8		
2,250	14	SSW	3.7	3,690	176	N	11.2	7,650	205	NNE	14.0	8,190	62	WSW	23.0		
2,430	41	SW	3.9	3,870	177	N	12.3	7,830	208	NNE	13.8	8,370	61	WSW	25.6		
2,610	64	WSW	4.2	4,050	175	N	13.8	8,010	209	NNE	14.8	8,550	63	WSW	26.2		
2,790	85	W	3.5	4,230	172	N	15.7	8,190	208	NNE	14.4	8,730	63	WSW	25.0		
2,970	108	WNW	2.5	4,410	176	N	16.8	8,370	204	NNE	14.8	8,910	62	WSW	24.6		
3,150	130	NW	2.6	Disappearance: Distance.				8,550	199	NNE	15.0	9,090	62	WSW	26.0		
3,330	128	NW	2.8	No. 218. Sept. 5, 1929; 14h 02m. Clouds: 10 St WNW. Vis.: 6. Lt. snow.				8,730	197	NNE	14.8	9,270	64	WSW	27.2		
3,410	120	WNW	2.8	Surface	45	SW	2.7	8,910	191	N	15.0	Disappearance: Distance.					
3,690	120	WNW	3.7	216	124	NW	7.8	9,090	193	NNE	13.6	No. 219. Sept. 6, 1929; 11h 48m. Clouds: Few StCu SW. Vis.: 9					
3,870	121	WNW	4.4	414	113	WNW	11.5	9,270	201	NNE	12.8	Surface	69	WSW	2.7		
4,050	125	NW	4.5	513	111	WNW	13.4	Disappearance: Distance.				216	48	SW	6.5		

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 220. Sept. 7, 1929; 10h 52m. Clouds: 3 Ci SW. Vis.: 9				No. 221—Continued				No. 223. Sept. 10, 1929; 10h 11m. Clouds: 0. Falling ice crystals; hazy. 22° solar halo parhelia and upper tangent arc				No. 225—Continued			
Surface	57	WSW	2.2	6,570	88	W	24.0	Surface	27	SSW	4.5	2,070	20	SSW	16.5
216	0	S	6.2	6,750	89	W	26.2	216	35	SW	11.5	2,250	20	SSW	15.4
414	6	S	7.6	6,930	90	W	26.8	414	20	SSW	10.5	2,430	20	SSW	15.0
612	24	SSW	8.1	Disappearance: Distance.				612	350	S	12.0	2,610	23	SSW	12.0
801	39	SW	9.2	No. 222. Sept. 9, 1929; 10h 52m. Clouds: Few Ci NW or WNW				801	353	S	20.7	2,790	32	SSW	9.1
990	42	SW	11.3	Surface	22	SSW	1.3	990	356	S	25.1	2,970	46	SW	7.4
1,170	34	SW	18.1	216	333	SSE	5.3	1,170	0	S	25.7	3,150	68	WSW	6.5
1,350	32	SSW	17.0	414	306	SE	8.1	1,350	3	S	22.8	3,330	65	WSW	9.5
1,530	33	SSW	16.8	612	302	ESE	9.0	1,530	1	S	21.7	3,510	58	WSW	12.0
1,710	34	SW	15.7	801	313	SE	7.8	1,710	1	S	22.3	3,690	60	WSW	13.1
1,890	41	SW	13.8	990	317	SE	8.1	1,890	1	S	23.0	3,870	65	WSW	15.1
2,070	46	SW	12.7	1,170	305	SE	7.8	2,070	2	S	24.5	4,050	66	WSW	18.5
2,250	48	SW	15.4	1,350	309	SE	5.5	2,250	3	S	23.1	4,230	68	WSW	19.2
2,430	56	SW	16.8	1,530	318	SE	5.6	2,430	4	S	23.2	4,410	72	WSW	15.8
2,610	58	WSW	18.0	1,710	307	SE	4.6	2,610	3	S	23.0	4,590	78	WSW	14.4
2,790	56	SW	17.8	1,890	301	ESE	4.9	2,790	8	S	23.0	4,770	80	W	14.3
2,970	53	SW	19.5	2,070	304	SE	4.3	2,970	11	S	24.0	4,950	78	WSW	12.4
3,150	51	SW	20.0	2,250	300	ESE	4.1	3,150	11	S	22.6	5,130	79	W	11.5
3,330	54	SW	19.5	2,430	283	ESE	4.4	3,330	11	S	21.6	5,310	75	WSW	12.4
3,510	56	SW	20.3	2,610	276	E	4.2	Disappearance: Ice crystal haze.				5,490	74	WSW	13.4
3,690	56	SW	20.4	2,790	282	ESE	2.6	No. 224. Sept. 10, 1929; 14h 01m. Clouds: 3 ASt SSW. Vis.: 7				5,670	81	W	13.0
Disappearance: Against cirrus.				2,970	269	E	1.4	Surface	27	SSW	3.1	5,850	87	W	12.4
No. 221. Sept. 8, 1929; 13h 20m. Clouds: Few StCu. Vis.: 8. Ice crystals falling. Parhelia and upper tangent arc				3,150	254	ENE	1.3	216	24	SSW	3.6	6,030	85	W	13.8
Surface	330	SSE	1.8	3,330	272	E	1.8	414	12	SSW	7.1	6,210	86	W	13.0
216	346	SSE	3.3	3,510	270	E	2.7	612	16	SSW	11.5	6,390	84	W	11.4
414	15	SSW	6.4	3,690	264	E	2.8	801	23	SSW	13.6	6,570	87	W	12.0
612	6	S	7.6	3,870	261	E	2.8	990	28	SSW	15.2	6,750	98	W	12.0
801	357	S	8.2	4,050	271	E	2.6	1,170	25	SSW	15.8	Disappearance: Behind ane- rometer post.			
990	351	S	6.9	4,230	293	ESE	3.0	1,350	20	SSW	15.3	No. 226. Sept. 12, 1929; 9h 52m. Clouds: Few ASt W. Vis.: 6			
1,170	2	S	6.6	4,410	299	ESE	3.2	1,530	17	SSW	16.3	Surface	290	ESE	0.9
1,350	20	SSW	7.6	4,590	294	ESE	3.5	1,710	15	SSW	18.5	216	81	W	4.4
1,530	36	SW	6.7	4,770	288	ESE	4.3	1,890	13	SSW	20.1	414	88	W	7.6
1,710	43	SW	6.2	4,950	286	ESE	3.7	2,070	13	SSW	21.2	612	84	W	10.0
1,890	33	SSW	5.6	5,130	294	ESE	2.6	2,250	14	SSW	23.5	801	76	WSW	10.8
2,070	25	SSW	4.9	5,310	308	SE	2.5	2,430	14	SSW	25.6	990	64	WSW	12.1
2,250	36	SW	4.6	5,490	294	ESE	2.0	Disappearance: Against blue sky. Clouds moving rapidly.				1,170	55	SW	15.7
2,430	51	SW	4.8	5,670	220	NE	.5	No. 225. Sept. 11, 1929; 9h 16m. Clouds: Few ASt SW. Vis.: 8				1,350	56	SW	16.0
2,610	53	SW	5.9	5,850	144	NW	8.7	Surface	7	S	2.7	1,530	61	WSW	13.6
2,790	52	SW	7.2	6,030	138	NW	5.5	216	12	SSW	5.2	1,710	63	WSW	12.9
2,970	52	SW	7.4	6,210	130	NW	7.0	414	28	SSW	6.6	1,890	65	WSW	12.8
3,150	55	SW	7.2	6,390	125	NW	7.6	612	30	SSW	9.5	2,070	72	WSW	11.7
3,330	63	WSW	6.9	6,570	128	NW	7.7	801	28	SSW	10.5	2,250	77	WSW	8.5
3,510	71	WSW	6.5	6,750	130	NW	7.3	990	29	SSW	10.3	2,430	93	W	6.4
3,690	72	WSW	6.8	6,930	122	WNW	8.5	1,170	29	SSW	10.5	2,610	102	WNW	8.2
3,870	77	WSW	8.2	7,110	123	WNW	11.0	1,350	26	SSW	10.5	2,790	91	W	9.7
4,050	82	W	9.4	7,290	124	NW	12.4	1,530	22	SSW	12.1	2,970	81	W	10.7
4,230	79	W	9.1	7,470	122	WNW	12.5	1,710	19	SSW	16.1	3,150	80	W	11.9
4,410	74	WSW	8.1	7,650	118	WNW	13.2	1,890	20	SSW	17.8	3,330	80	W	12.5
4,590	69	WSW	8.0	7,830	120	WNW	13.3	Disappearance: Vapor from ventilators.				3,510	80	W	12.2
4,770	67	WSW	9.2	8,010	117	WNW	13.7	Surface	7	S	2.7	3,690	84	W	10.6
4,950	76	WSW	10.7	8,190	113	WNW	13.4	216	12	SSW	5.2	3,870	93	W	11.0
5,130	80	W	15.2	8,370	115	WNW	13.0	414	28	SSW	6.6	4,050	87	W	13.0
5,310	83	W	17.4	8,550	117	WNW	14.5	612	30	SSW	9.5	4,230	82	W	12.9
5,490	85	W	20.0	8,730	114	WNW	14.5	801	28	SSW	10.5	4,410	85	W	12.4
5,670	87	W	20.6	8,910	116	WNW	13.7	990	29	SSW	10.3	4,590	85	W	13.8
5,850	91	W	20.5	9,090	116	WNW	13.8	1,170	29	SSW	10.5	4,770	84	W	14.8
6,030	91	W	22.3	9,270	113	WNW	13.2	1,350	26	SSW	10.5				
6,210	89	W	22.3	9,450	111	WNW	13.0	1,530	22	SSW	12.1				
6,390	87	W	23.0	9,630	116	WNW	13.2	1,710	19	SSW	16.1				
				9,810	121	WNW	13.4	1,890	20	SSW	17.8				
				9,990	119	WNW	12.7								
				10,170	119	WNW	11.5								
				Disappearance: (?). Parhelia.											

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 227. Sept. 14, 1929; 9h 04m. Clouds: 4 Ci WNW. Vis.: 9				No. 228—Continued				No. 230—Continued				No. 233. Sept. 19, 1929; 16h 51m. Clouds: 1 Ci. Vis.: 8			
Surface	Calm	SSW	Calm	990	198	NNE	6.5	801	175	N	8.9	Surface	72	WSW	5.4
216	33	SSW	3.8	1,170	191	N	7.5	990	180	N	8.3	216	34	SW	13.2
414	35	SW	6.0	1,350	180	N	5.8	1,170	189	N	6.5	414	28	SSW	19.5
612	15	SSW	4.4	1,530	151	NNW	4.7	1,350	200	NNE	7.1	612	30	SSW	23.7
801	344	SSE	2.7	1,710	153	NNW	4.8	1,530	203	NNE	7.2	801	32	SSW	23.7
990	287	ESE	2.0	1,890	143	NW	5.0	1,710	208	NNE	7.2	990	29	SSW	20.5
1,170	298	ESE	3.2	2,070	133	NW	5.8	1,890	210	NNE	7.1	1,170	28	SSW	16.2
1,350	312	SE	4.2	2,250	129	NW	6.8	2,070	204	NNE	6.9	1,350	30	SSW	16.0
1,530	303	ESE	3.5	2,430	127	NW	6.5	2,250	198	NNE	7.0	1,530	27	SSW	16.6
1,710	292	ESE	3.2	2,610	122	WNW	5.7	2,430	194	NNE	7.0	1,710	23	SSW	16.6
1,890	301	ESE	3.1	2,790	112	WNW	6.1	2,610	199	NNE	7.4	1,890	24	SSW	15.0
2,070	311	SE	3.4	2,970	108	WNW	6.5	2,790	183	N	8.2	2,070	25	SSW	11.5
2,250	334	SSE	2.0	3,150	110	WNW	6.4	2,970	176	N	8.3	2,250	22	SSW	8.6
2,430	346	SSE	2.8	3,330	112	WNW	7.2	3,150	174	N	9.5	2,430	33	SSW	6.8
2,610	63	WSW	4.2	3,510	114	WNW	9.0	3,330	174	N	11.2	2,610	59	WSW	7.0
2,790	74	WSW	5.3	3,690	114	WNW	10.3	3,510	173	N	12.2	2,790	66	WSW	7.6
2,970	72	WSW	6.5	3,870	112	WNW	10.8	3,690	170	N	12.2	2,970	55	SW	8.0
3,150	73	WSW	6.5	4,050	115	WNW	11.3	3,870	168	NNW	12.0	3,150	51	SW	8.0
3,330	73	WSW	6.3	4,230	117	WNW	11.1	Disappearance: Behind vent- ilator, probably entered CiSt.				3,330	53	SW	8.5
3,510	75	WSW	6.9	4,410	114	WNW	10.3	No. 231. Sept. 18, 1929; 21h 15m. Clouds: 9 Ast E, 1 StCu. Vis.: 6				3,510	52	SW	8.6
3,690	80	W	7.8	4,590	115	WNW	10.7	Surface	30	SSW	4.0	3,690	54	SW	8.7
3,870	80	W	8.5	4,770	118	WNW	10.5	216	330	SSE	6.5	3,870	56	SW	9.0
4,050	77	WSW	8.2	4,950	123	WNW	9.8	414	321	SE	6.8	Disappearance: Distance.			
4,230	80	W	8.0	5,130	124	NW	10.1	612	310	SE	4.7	No. 234. Sept. 22, 1929; 9h 05m. Clouds: 0. Vis.: 9			
4,410	89	W	8.4	5,310	125	NW	9.5	801	258	ENE	3.8	Surface	42	SW	5.4
4,590	99	W	9.3	5,490	129	NW	10.1	990	243	ENE	5.3	216	27	SSW	10.8
4,770	104	WNW	10.7	5,670	130	NW	10.5	1,170	258	ENE	7.0	414	32	SSW	11.2
4,950	106	WNW	11.8	5,850	128	NW	10.3	1,350	268	E	6.3	612	57	WSW	7.7
5,130	107	WNW	12.7	6,030	127	NW	11.1	1,530	280	E	2.8	801	83	W	7.0
5,310	110	WNW	12.8	6,210	125	NW	10.8	1,710	301	ESE	1.2	990	76	WSW	7.4
5,490	110	WNW	13.2	6,390	124	NW	11.5	1,890	289	ESE	1.5	1,170	75	WSW	6.6
5,670	108	WNW	13.2	6,570	122	WNW	11.6	2,070	262	E	4.2	1,350	83	W	5.3
5,850	106	WNW	14.1	6,750	125	NW	12.0	2,250	260	E	6.5	1,530	91	W	5.0
6,030	105	WNW	15.3	6,930	125	NW	14.5	2,430	259	E	8.1	1,710	90	W	5.6
6,210	108	WNW	13.8	7,110	120	WNW	15.3	2,610	264	E	9.1	1,890	78	WSW	6.2
6,390	106	WNW	13.3	7,290	118	WNW	14.8	2,790	273	E	9.5	2,070	72	WSW	7.4
6,570	105	WNW	13.8	Disappearance: Local smoke and distance.				Disappearance: Entered Ast, 2,790 m.				2,250	76	WSW	5.4
6,750	108	WNW	14.3	No. 229. Sept. 16, 1929; 7h 17m. Clouds: 10 Ast NW. Vis.: 8				No. 232. Sept. 19, 1929; 8h 59m. Clouds: 6 Ast SW. Vis.: 6. Lt. drift increasing				2,430	92	W	4.8
6,930	113	WNW	14.1	Surface	32	SSW	4.0	Surface	37	SW	8.1	2,610	111	WNW	5.8
7,110	114	WNW	13.4	216	5	S	6.3	414	28	SSW	10.7	2,790	118	WNW	6.4
7,290	112	WNW	13.8	414	330	SSE	5.7	612	33	SSW	7.3	3,150	120	WNW	6.7
7,470	116	WNW	13.8	612	321	SE	6.0	801	32	SSW	5.5	3,330	119	WNW	7.0
7,650	124	NW	15.0	801	325	SE	3.8	990	31	SSW	5.6	3,510	121	WNW	6.7
7,830	126	NW	16.5	990	293	ESE	1.1	1,170	28	SSW	6.7	3,690	122	WNW	6.5
8,010	118	WNW	16.0	1,170	190	N	1.8	1,350	27	SSW	7.3	3,870	118	WNW	7.0
8,190	115	WNW	16.8	1,350	164	NNW	1.3	1,530	33	SSW	7.3	4,050	111	WNW	7.5
8,370	118	WNW	19.8	1,530	143	NW	1.8	1,710	31	SSW	8.8	4,230	111	WNW	8.0
8,550	116	WNW	17.4	1,710	129	NW	3.2	1,890	23	SSW	10.6	4,410	115	WNW	8.0
8,730	114	WNW	16.4	1,890	133	NW	4.0	2,070	20	SSW	11.5	4,590	116	WNW	8.7
8,910	114	WNW	17.6	Disappearance: Entered Ast, 1,890 m.				Disappearance: Background and drift.				4,770	115	WNW	9.3
9,090	116	WNW	18.2	No. 230. Sept. 17, 1929; 8h 58m. Clouds: 9 CiSt NNW. Vis.: 9. Bright 22° solar halo				Surface				4,950	117	WNW	9.9
9,270	115	WNW	22.0	Surface	282	ESE	3.1	216	271	E	7.9	5,130	117	WNW	10.5
9,450	118	WNW	23.0	216	271	E	7.9	414	190	N	5.2	5,310	124	NW	8.5
9,630	120	WNW	22.0	414	190	N	5.2	612	166	NNW	7.8	5,490	123	WNW	10.3
Disappearance: Against Ci. Cirrus very thin.				No. 228. Sept. 15, 1929; 10h 25m. Clouds: 2 Ci WNW, Few St SE. Vis.: 8				Surface				5,670	122	WNW	11.2
No. 228. Sept. 15, 1929; 10h 25m. Clouds: 2 Ci WNW, Few St SE. Vis.: 8				Surface	276	E	2.2	216	327	SSE	3.2	6,030	122	WNW	10.4
Surface				216	327	SSE	3.2	414	344	SSE	3.2	6,210	113	WNW	11.0
216				414	344	SSE	3.2	612	261	E	2.5	6,390	107	WNW	11.7
414				612	261	E	2.5	801	216	NE	5.5	6,570	104	WNW	11.9
612				801	216	NE	5.5					6,750	101	W	10.5
801												6,930	100	W	10.6

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 234—Continued				No. 235—Continued				No. 237—Continued				No. 239. Sept. 27, 1929; 9h 58m. Clouds: Few Ci. Vis.: 9			
7, 110	100	W	10.8	8, 370	228	NE	2.9	1, 530	215	NE	1.6	Surface	34	SW	1.8
7, 290	102	WNW	10.3	8, 550	242	ENE	3.5	1, 710	214	NE	2.6	216	31	SSW	4.1
7, 470	104	WNW	10.1	8, 730	230	NE	3.8	1, 890	214	NE	3.4	414	28	SSW	5.6
7, 650	106	WNW	10.3	8, 910	215	NE	3.2	2, 070	212	NNE	3.4	612	22	SSW	5.2
7, 830	104	WNW	10.4	9, 090	192	NNE	2.8	2, 250	198	NNE	2.8	801	20	SSW	5.8
8, 010	103	WNW	9.2	9, 270	215	NE	3.1	2, 430	198	NNE	3.2	990	20	SSW	6.2
8, 190	101	W	9.2	9, 450	256	ENE	7.5	2, 610	199	NNE	4.2	1, 170	15	SSW	5.5
8, 370	102	WNW	10.0	9, 630	257	ENE	12.0	2, 790	197	NNE	4.8	1, 350	15	SSW	3.8
8, 550	104	WNW	12.2	9, 810	258	ENE	12.4	2, 970	202	NNE	5.7	1, 530	27	SSW	3.8
8, 730	104	WNW	11.4	9, 990	279	E	14.0	3, 150	208	NNE	6.2	1, 710	26	SSW	4.7
8, 910	104	WNW	11.6	10, 170	279	E	16.3	3, 330	207	NNE	6.5	1, 890	27	SSW	5.4
9, 090	98	W	9.8	10, 350	272	E	16.7	3, 510	198	NNE	7.4	2, 070	28	SSW	5.6
9, 270	92	W	9.0	10, 530	266	E	15.0	3, 690	193	NNE	7.7	2, 250	25	SSW	5.9
9, 450	95	W	10.8	10, 710	257	ENE	17.8	3, 870	188	N	6.5	2, 430	24	SSW	5.5
9, 630	95	W	11.6	10, 890	248	ENE	17.8	4, 050	183	N	5.0	2, 610	21	SSW	5.7
Disappearance: Burst.				11, 070	245	ENE	16.0	4, 230	201	NNE	4.8	2, 790	23	SSW	6.0
No. 235. Sept. 24, 1929; 9h. Clouds: Few AS SE, Few StCU SE. Vis.: 9				11, 250	246	ENE	17.8	4, 410	213	NNE	6.5	2, 970	29	SSW	6.4
Surface	334	SSE	4.5	11, 430	243	ENE	19.0	4, 590	216	NE	7.3	3, 150	31	SSW	6.8
216	312	SE	10.6	11, 610	239	ENE	17.0	4, 770	227	NE	7.5	3, 330	37	SW	6.3
414	317	SE	9.0	11, 790	248	ENE	20.1	4, 950	235	NE	7.8	3, 510	37	SW	5.5
612	351	S	6.7	11, 970	255	ENE	24.0	Disappearance: (?).				3, 690	34	SW	5.3
801	349	S	8.0	Disappearance: Burst. ACu clouds forming overhead.				No. 238. Sept. 26, 1929; 16h 41m. Clouds: Few Ci, 1 AS. Vis.: 8				3, 870	31	SSW	5.0
990	328	SSE	7.4	No. 236. Sept. 25, 1929; 17h 29m. Clouds: 10 AS E. Vis.: 6				Surface	353	S	2.2	4, 050	28	SSW	5.4
1, 170	313	SE	7.2	Surface	286	ESE	5.4	216	303	ESE	6.7	4, 230	30	SSW	5.5
1, 350	308	SE	7.8	216	314	SE	4.7	414	296	ESE	6.2	4, 410	26	SSW	5.0
1, 530	308	SE	7.9	414	297	ESE	2.0	612	314	SE	5.5	4, 590	13	SSW	4.9
1, 710	310	SE	8.4	612	190	N	5.3	801	322	SE	6.3	4, 770	2	S	4.5
1, 890	309	SE	8.0	801	180	N	8.8	990	311	SE	6.1	4, 950	358	S	4.2
2, 070	310	SE	7.8	990	186	N	9.2	1, 170	302	ESE	5.2	5, 130	353	S	4.4
2, 250	311	SE	8.1	1, 170	189	N	9.5	1, 350	277	E	5.1	5, 310	345	SSE	4.0
2, 430	312	SE	8.8	1, 350	181	N	9.5	1, 530	267	E	5.3	5, 490	324	SE	3.3
2, 610	309	SE	9.1	1, 530	186	N	8.1	1, 710	258	ENE	6.2	5, 670	297	ESE	3.3
2, 790	306	SE	9.5	1, 710	211	NNE	7.5	1, 890	247	ENE	8.0	5, 850	278	E	3.7
2, 970	303	ESE	9.5	1, 890	221	NE	9.6	2, 070	247	ENE	7.5	6, 030	272	E	6.2
3, 150	304	SE	10.1	2, 070	221	NE	9.5	2, 250	242	ENE	6.3	6, 210	263	E	8.8
3, 330	305	SE	11.2	2, 250	225	NE	7.3	2, 430	231	NE	6.0	6, 390	250	ENE	10.3
3, 510	299	ESE	11.0	2, 430	228	NE	5.6	2, 610	232	NE	6.0	6, 570	248	ENE	10.7
3, 690	298	ESE	10.0	2, 610	236	NE	5.2	2, 790	232	NE	6.8	6, 750	250	ENE	11.2
3, 870	299	ESE	9.5	2, 790	248	ENE	6.3	2, 970	221	NE	6.8	6, 930	251	ENE	12.0
4, 050	297	ESE	10.0	2, 970	265	E	7.6	3, 150	212	NNE	6.4	7, 110	249	ENE	12.5
4, 230	295	ESE	9.7	3, 150	276	E	10.1	3, 330	214	NE	6.2	7, 290	247	ENE	13.0
4, 410	288	ESE	9.2	3, 330	277	E	10.5	3, 510	211	NNE	6.8	7, 470	252	ENE	13.5
4, 590	278	E	7.8	3, 510	279	E	10.8	3, 690	207	NNE	6.7	7, 650	251	ENE	14.4
4, 770	279	E	6.5	3, 690	279	E	10.2	3, 870	204	NNE	6.3	7, 830	243	ENE	14.8
4, 950	270	E	7.0	3, 870	275	E	9.4	4, 050	207	NNE	5.9	8, 010	239	ENE	14.5
5, 130	265	E	7.0	4, 050	271	E	8.0	4, 230	214	NE	6.5	8, 190	241	ENE	15.7
5, 310	269	E	5.7	Disappearance: Entered AS, 4,050 m.				4, 410	223	NE	7.3	8, 370	243	ENE	17.3
5, 490	285	ESE	5.0	No. 237. Sept. 26, 1929; 9h 02m. Clouds: 4 ACu (N?). Vis.: 8				4, 590	235	NE	7.5	8, 550	244	ENE	18.2
5, 670	295	ESE	5.8	Surface	357	S	4.0	4, 770	241	ENE	7.2	8, 730	246	ENE	17.8
5, 850	279	E	5.1	216	308	SE	6.0	4, 950	250	ENE	8.1	8, 910	230	NE	16.0
6, 030	242	ENE	4.4	414	328	SSE	6.5	5, 130	261	E	10.2	9, 090	239	ENE	16.8
6, 210	222	NE	4.1	612	339	SSE	7.5	5, 310	266	E	11.0	9, 270	247	ENE	15.5
6, 390	216	NE	5.0	801	331	SSE	7.0	5, 490	265	E	9.6	9, 450	249	ENE	12.4
6, 570	210	NNE	6.1	990	315	SE	6.3	5, 670	261	E	9.1	9, 630	252	ENE	12.5
6, 750	206	NNE	4.8	1, 170	309	SE	5.0	5, 850	263	E	9.9	9, 810	253	ENE	13.5
6, 930	196	NNE	4.5	1, 350	288	ESE	2.0	6, 030	266	E	10.0	9, 990	258	ENE	11.3
7, 110	180	N	5.2	Disappearance: Background.				6, 210	270	E	10.1	10, 170	274	E	10.2
7, 290	184	N	6.3	Surface	357	S	4.0	6, 390	276	E	10.5	10, 350	284	ESE	11.2
7, 470	187	N	6.5	216	308	SE	6.0	6, 570	282	ESE	10.0	Disappearance: Bursting.			
7, 650	184	N	6.5	414	328	SSE	6.5	6, 750	286	ESE	9.2	No. 240. Sept. 27, 1929; 17h 43m. Clouds: Few Ci Few St SW. Vis.: 8			
7, 830	182	N	6.1	612	339	SSE	7.5	6, 930	287	ESE	8.8	Surface	62	WSW	2.7
8, 010	184	N	5.4	801	331	SSE	7.0					216	32	SSW	8.4
8, 190	203	NNE	4.0	990	315	SE	6.3					414	46	SW	9.1

loc- y p. s.	9h is.:
1. 8	1. 8
4. 1	4. 1
5. 2	5. 2
5. 8	5. 8
3. 2	3. 2
5. 5	5. 5
3. 8	3. 8
4. 7	4. 7
5. 4	5. 4
5. 9	5. 9
5. 5	5. 5
5. 7	5. 7
3. 0	3. 0
3. 4	3. 4
3. 8	3. 8
3. 3	3. 3
2. 5	2. 5
3. 3	3. 3
5. 0	5. 0
5. 4	5. 4
5. 5	5. 5
5. 0	5. 0
9	9
2	2
5	5
2	2
4	4
0	0
3	3
3	3
7	7
2	2
8	8
3	3
7	7
2	2
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loc- y p. s.	9h is.:
1. 8	1. 8
4. 1	4. 1
5. 2	5. 2
5. 8	5. 8
3. 2	3. 2
5. 5	5. 5
3. 8	3. 8
4. 7	4. 7
5. 4	5. 4
5. 9	5. 9
5. 5	5. 5
5. 7	5. 7
3. 0	3. 0
3. 4	3. 4
3. 8	3. 8
3. 3	3. 3
2. 5	2. 5
3. 3	3. 3
5. 0	5. 0
5. 4	5. 4
5. 5	5. 5
5. 0	5. 0
9	9
2	2
5	5
2	2
4	4
0	0
3	3
3	3
7	7
2	2
8	8
3	3
7	7
2	2
0	0
5	5
0	0
5	5
4	4
8	8
5	5
7	7
3	3
2	2
8	8
0	0
8	8
5	5
4	4
5	5
5	5
3	3
2	2
2	2
7h St	7 4 1

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 248—Continued			
4,230	28	SSW	8.4
4,410	35	SW	7.7
4,590	40	SW	8.7
4,770	44	SW	9.5
4,950	52	SW	8.2
5,130	51	SW	7.9
5,310	51	SW	8.4
5,490	50	SW	8.2
5,670	58	WSW	6.0
5,850	63	WSW	6.5
6,030	59	WSW	7.8
6,210	60	WSW	7.0
6,390	64	WSW	6.2
6,570	82	W	5.8
6,750	88	W	6.2
6,930	88	W	6.3
7,110	90	W	7.2
7,290	91	W	8.7
7,470	84	W	11.2
7,650	83	W	13.6
7,830	85	W	14.4
8,010	85	W	15.0

Disappearance: Bursting.			
No. 249. Oct. 3, 1929; 17h 37m. Clouds: Few ASW. Vis.: 9			

Surface	69	WSW	3.1
216	34	SW	7.1
414	39	SW	8.2
612	34	SW	9.2
801	27	SSW	12.0
990	24	SSW	12.8
1,170	22	SSW	12.5
1,350	26	SSW	13.6
1,530	28	SSW	14.8
1,710	28	SSW	15.2
1,890	32	SSW	15.0
2,070	36	SW	14.8

Disappearance: Background.			
No. 250. Oct. 4, 1929; 7h 52m. Clouds: 0. Vis.: 9			

Surface	73	WSW	2.7
216	37	SW	6.7
414	37	SW	9.3
612	39	SW	10.7
801	38	SW	12.8
990	41	SW	14.0
1,170	41	SW	13.5
1,350	41	SW	13.5
1,530	44	SW	13.5
1,710	48	SW	13.5
1,890	45	SW	14.2
2,070	42	SW	12.3
2,250	53	SW	9.3
2,430	69	WSW	6.3
2,610	95	W	4.0
2,790	125	NW	4.3
2,970	133	NW	4.2
3,150	141	NW	4.6
3,330	154	NNW	5.6
3,510	159	NNW	5.5
3,690	161	NNW	5.2
3,870	159	NNW	5.2

Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 250—Continued			
4,050	153	NNW	5.7
4,230	149	NNW	6.2
4,410	144	NW	6.0
4,590	147	NNW	5.8
4,770	154	NNW	6.2
4,950	153	NNW	6.8
5,130	144	NW	7.7
5,310	143	NW	8.3
5,490	140	NW	9.8
5,670	134	NW	10.8
5,850	130	NW	12.0
6,030	127	NW	13.5
6,210	126	NW	13.6
6,390	124	NW	15.7
6,570	124	NW	17.0
6,750	121	WNW	18.3
6,930	120	WNW	19.5
7,110	124	NW	18.6
7,290	122	WNW	19.3
7,470	120	WNW	19.8
7,650	115	WNW	21.0
7,830	115	WNW	23.0
8,010	116	WNW	22.4
8,190	116	WNW	20.0

Disappearance: Bursting (?).			
No. 251. Oct. 4, 1929; 17h 22m. Clouds: 0. Vis.: 9			

Surface	Calm	-----	Calm
216	86	W	5.5
414	90	W	9.4
612	89	W	8.0
801	84	W	7.1
990	84	W	6.2
1,170	96	W	5.0
1,350	117	WNW	5.0
1,530	127	NW	5.9
1,710	131	NW	6.2
1,890	123	WNW	6.2
2,070	105	WNW	5.5
2,250	100	W	4.8
2,430	128	NW	5.1
2,610	143	NW	6.8
2,790	142	NW	8.4
2,970	143	NW	8.9
3,150	142	NW	9.5
3,330	143	NW	9.7
3,510	147	NNW	9.5
3,690	148	NNW	10.4
3,870	149	NNW	10.0
4,050	149	NNW	10.8
4,230	146	NNW	11.8
4,410	140	NW	12.1
4,590	141	NW	12.2
4,770	139	NW	12.5
4,950	138	NW	12.9
5,130	140	NW	14.6
5,310	143	NW	15.5
5,490	144	NW	16.2
5,670	145	NW	16.2
5,850	144	NW	17.0
6,030	144	NW	18.8
6,210	142	NW	18.6
6,390	138	NW	19.2
6,570	138	NW	18.0
6,750	137	NW	18.0
6,930	136	NW	20.0
7,110	136	NW	18.4

Disappearance: Entered ASst, 2025 m.			
No. 254. Oct. 6, 1929; 8h 38m. Clouds: 10 StCu SE. Vis.: 4. Lt. drift			

Surface	24	SSW	5.4
216	328	SSE	9.2
414	313	SE	13.1

Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 251—Continued			
7,290	139	NW	19.4
7,470	140	NW	19.4
7,650	142	NW	17.0
7,830	144	NW	16.0
8,010	146	NW	15.8
8,190	145	NW	16.0
8,370	146	NW	15.6
8,550	148	NNW	15.8
8,730	147	NNW	16.0
8,910	147	NNW	17.0
9,090	146	NW	18.4
9,270	146	NW	20.0
9,450	145	NW	20.0

Disappearance: Distance.			
No. 252. Oct. 5, 1929; 8h 21m. Clouds: 9 CiSt. Vis.: 6. Bright 22° halo			

Surface	293	ESE	3.1
216	302	ESE	6.9
414	316	SE	5.0
612	308	SE	3.5
801	274	E	2.8
990	247	ENE	4.1
1,170	244	ENE	5.5
1,350	248	ENE	5.8
1,530	250	ENE	5.9
1,710	248	ENE	5.0
1,890	231	NE	4.9
2,070	216	NE	5.8
2,250	211	NNE	6.3
2,430	208	NNE	7.5
2,610	207	NNE	8.5
2,790	207	NNE	8.7

Disappearance: Lost from field.			
No. 253. Oct. 5, 1929; 18h 36m. Clouds: 10 ASst E. Vis.: 5			

Surface	26	SSW	1.3
216	324	SE	9.3
414	304	SE	13.0
612	286	ESE	10.8
801	282	ESE	9.2
990	281	ESE	7.9
1,170	280	E	6.6
1,350	268	E	6.2
1,530	270	E	7.2
1,710	269	E	8.6
1,890	264	E	9.8
2,025	263	E	10.0

Disappearance: Entered ASst, 2025 m.			
No. 254. Oct. 6, 1929; 8h 38m. Clouds: 10 StCu SE. Vis.: 4. Lt. drift			

Surface	24	SSW	5.4
216	328	SSE	9.2
414	313	SE	13.1

Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 254—Continued			
612	306	SE	16.7
801	299	ESE	18.5
990	293	ESE	19.1
1,170	285	ESE	16.2
1,350	283	ESE	13.9
1,530	291	ESE	11.8
1,710	300	ESE	9.2
1,890	303	ESE	10.0
2,070	308	SE	11.1
2,250	310	SE	11.8

Disappearance: Entered StCu, 2,250 m.			
No. 255. Oct. 6, 1929; 17h 24m. Clouds: 9 CiSt (E?). Vis.: 6			

Surface	10	S	2.2
216	352	S	6.9
414	336	SSE	5.6
612	329	SSE	4.8
801	334	SSE	4.0
990	345	SSE	2.7
1,170	320	SE	1.7
1,350	306	SE	3.3
1,530	312	SE	5.1
1,710	303	ESE	5.6
1,890	289	ESE	6.0
2,070	294	ESE	5.3
2,250	306	SE	5.3
2,430	303	ESE	5.7
2,610	303	ESE	6.3
2,790	302	ESE	7.5
2,970	303	ESE	8.3
3,150	307	SE	8.2
3,330	306	SE	8.0
3,510	304	SE	8.3

Disappearance: (?).			
No. 256. Oct. 7, 1929; 17h 13m. Clouds: 7 St NNE. Vis.: 8			

Surface	226	NE	5.8
216	205	NNE	7.0
414	191	N	6.3
612	193	NNE	8.0
801	198	NNE	10.2
990	196	NNE	10.5
1,170	187	N	10.2
1,350	186	N	10.2
1,530	187	N	9.0
1,710	192	NNE	7.3
1,890	203	NNE	7.6
2,070	205	NNE	8.5
2,250	205	NNE	8.6
2,430	204	NNE	8.3
2,610	206	NNE	8.7
2,790	207	NNE	9.2
2,970	208	NNE	8.8
3,150	207	NNE	7.3
3,330	211	NNE	5.2
3,510	223	NE	4.4
3,690	237	ENE	4.7
3,870	236	NE	4.5
4,050	237	ENE	4.0
4,230	234	NE	4.6

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 256—Continued				No. 259—Continued				No. 260—Continued				No. 263. Oct. 13, 1929; 9h 23m. Clouds: 8 CiSt ESE. Vis.: 8. 22° halo; very bright			
4,410	233	NE	4.8	2,250	10	S	10.0	4,410	335	SSE	10.0	Surface	349	S	1.8
4,590	232	NE	3.5	2,430	6	S	10.5	4,590	339	SSE	11.5	216	327	SSE	0.6
4,770	227	NE	2.6	2,610	5	S	10.6	4,770	343	SSE	10.7	414	350	S	2.2
4,950	250	ENE	2.3	2,790	5	S	11.3	4,950	345	SSE	10.9	612	353	S	3.5
5,130	270	E	1.8	2,970	7	S	11.7	5,130	346	SSE	10.5	801	348	SSE	3.4
Disappearance: (?). Entered St, 486 m.				3,150	10	S	11.7	5,310	348	SSE	10.3	990	337	SSE	3.6
No. 257. Oct. 8, 1929; 18h 52m. Clouds: 10 St NE. Vis.: 5				3,330	10	S	11.8	5,490	350	S	10.3	1,170	327	SSE	3.7
Surface	277	E	5.4	3,510	9	S	11.4	5,670	352	S	11.7	1,350	310	SE	3.7
216	204	NNE	6.8	3,690	8	S	11.7	5,850	355	S	13.0	1,530	302	ESE	4.5
414	194	NNE	7.8	3,870	8	S	12.2	6,030	355	S	13.4	1,710	304	SE	5.1
612	206	NNE	6.0	4,050	11	S	11.2	6,210	357	S	12.2	1,890	302	ESE	6.3
657	220	NE	4.7	4,230	10	S	11.8	6,390	357	S	11.6	2,070	299	ESE	7.5
Disappearance: Entered St, 657.				4,410	9	S	12.0	6,570	1	S	13.0	2,250	296	ESE	8.0
No. 258. Oct. 9, 1929; 18h 30m. Clouds: 1 ASst (S?), Few St SSW. Vis.: 6. Heavy shower of ice crystals				4,590	9	S	11.0	6,750	4	S	14.0	2,430	289	ESE	8.1
Surface	23	SSW	3.1	4,770	7	S	11.5	Disappearance: Sun. Shower of ice crystals at 11h 05m. 22° halo and upper tan- gent arc; faint parhelia.				2,610	283	ESE	7.9
216	19	SSW	10.7	4,950	3	S	11.4	No. 261. Oct. 11, 1929; 18h 08m. Clouds: 3 Ci, Few St Cu S. Vis.: 9				2,790	286	ESE	8.5
414	18	SSW	12.4	5,130	2	S	11.5	Surface	28	SSW	2.7	2,970	292	ESE	10.2
612	21	SSW	13.2	5,310	2	S	11.5	216	286	ESE	4.0	3,150	292	ESE	11.0
801	22	SSW	11.7	5,490	1	S	11.0	414	303	ESE	2.7	3,330	287	ESE	11.1
990	26	SSW	9.5	5,670	2	S	11.0	612	359	S	5.2	3,510	288	ESE	10.9
1,170	22	SSW	9.5	5,850	1	S	11.2	801	0	S	6.7	3,690	290	ESE	10.8
1,350	17	SSW	9.3	6,030	359	S	11.3	990	14	SSW	6.2	Disappearance: Behind CiSt. Balloon entered CiSt at 2,790 m.			
1,530	4	S	8.8	6,210	356	S	11.5	1,170	13	SSW	6.9	No. 264. Oct. 13, 1929; 18h 17m. Clouds: 2 Ci (ESE?). Vis.: 9			
1,710	6	S	9.0	6,390	352	S	9.5	1,350	0	S	7.7	Surface	40	SW	2.7
1,890	6	S	8.7	6,570	341	SSE	7.5	1,530	353	S	8.8	216	310	SE	5.1
2,070	5	S	8.2	6,750	331	SSE	8.3	1,710	353	S	9.0	414	299	ESE	3.3
2,250	10	S	9.7	6,930	328	SSE	8.4	1,890	356	S	8.2	612	291	ESE	2.7
2,430	13	SSW	10.7	7,110	325	SE	9.2	2,070	359	S	8.3	801	295	ESE	3.7
2,610	10	S	11.2	7,290	325	SE	9.2	2,250	359	S	8.5	990	298	ESE	4.4
2,790	7	S	12.0	7,470	326	SE	8.8	Disappearance: Background.				1,170	309	SE	5.7
2,970	6	S	11.0	7,650	324	SE	8.0	No. 262. Oct. 12, 1929; 19h 04m. Clouds: 1 StCu E. Vis.: 8				1,350	305	SE	6.8
3,150	6	S	10.4	7,830	329	SSE	8.8	Surface	294	ESE	4.5	1,530	294	ESE	6.8
Disappearance: Distance.				8,010	340	SSE	9.0	216	303	ESE	8.6	1,710	296	ESE	7.9
No. 260. Oct. 11, 1929; 10h 47m. Clouds: 0. Vis.: 9				8,190	353	S	10.0	414	299	ESE	5.8	1,890	298	ESE	9.8
Surface	26	SSW	6.7	8,370	1	S	11.4	612	278	E	3.2	2,070	294	ESE	11.6
216	35	SW	10.6	8,550	1	S	11.8	801	247	ENE	3.0	2,250	291	ESE	13.5
414	17	SSW	11.3	8,730	359	S	12.0	990	270	E	6.2	2,430	289	ESE	14.2
612	351	S	9.0	8,910	359	S	11.0	1,170	275	E	9.7	2,610	286	ESE	14.5
801	333	SSE	7.5	9,090	0	S	12.0	1,350	276	E	10.8	2,790	287	ESE	15.2
990	348	SSE	8.7	9,270	358	S	12.6	1,530	278	E	11.5	2,970	289	ESE	15.7
1,170	355	S	10.7	Disappearance: Background.				1,710	271	E	12.3	3,150	286	ESE	16.3
1,350	353	S	10.5	Surface	26	SSW	6.7	1,890	262	E	12.1	3,330	281	E	16.5
1,530	346	SSE	7.8	216	35	SW	10.6	2,070	259	E	10.8	3,510	281	E	17.6
1,710	343	SSE	6.2	414	17	SSW	11.3	2,250	257	ENE	10.4	3,690	284	ESE	19.0
1,890	344	SSE	7.0	612	351	S	9.0	2,430	253	ENE	10.7	3,870	286	ESE	19.5
2,070	342	SSE	8.8	801	333	SSE	7.5	2,610	256	ENE	12.0	4,050	288	ESE	21.5
2,250	339	SSE	8.8	990	348	SSE	8.7	2,790	262	E	12.6	4,230	285	ESE	23.4
2,430	341	SSE	8.6	1,170	355	S	10.7	2,970	264	E	12.4	4,410	286	ESE	23.0
2,610	338	SSE	8.8	1,350	353	S	10.5	3,150	262	E	12.5	4,590	287	ESE	23.7
2,790	334	SSE	8.5	1,530	346	SSE	7.8	3,330	262	E	12.6	4,770	285	ESE	24.0
2,970	334	SSE	9.3	1,710	343	SSE	6.2	3,510	330	SSE	9.0	4,950	284	ESE	24.6
3,150	333	SSE	10.0	1,890	344	SSE	7.0	3,690	329	SSE	8.7	5,130	285	ESE	25.4
3,330	327	SSE	9.3	2,070	342	SSE	8.8	3,870	325	SE	8.7	5,310	284	ESE	26.0
3,510	330	SSE	9.0	2,250	339	SSE	8.8	4,050	327	SSE	9.9	5,490	283	ESE	26.2
3,690	329	SSE	8.7	2,430	341	SSE	8.6	4,230	329	SSE	9.0	5,670	283	ESE	26.0
3,870	325	SE	8.7	2,610	338	SSE	8.8	Disappearance: (?). Bliz- zard just ended.				5,850	283	ESE	26.0
4,050	327	SSE	9.9	2,790	334	SSE	9.3	Disappearance: Local smoke.							
4,230	329	SSE	9.0	3,150	333	SSE	10.0								
				3,330	327	SSE	9.3								
				3,510	330	SSE	9.0								
				3,690	329	SSE	8.7								
				3,870	325	SE	8.7								
				4,050	327	SSE	9.9								
				4,230	329	SSE	9.0								

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 265. Oct. 14, 1929; 9h 01m. Clouds: 2 Ci ESE. Vis.: 9				No. 266—Continued				No. 268—Continued				No. 270. Oct. 18, 1929; 8h 37m. Clouds: 3 St ESE. Vis.: 9.			
Surface	Calm		Calm	6, 210	284	ESE	21.0	990	308	SE	1.8	Surface	272	E	1.8
216	245	ENE	3.2	6, 390	284	ESE	21.0	1, 170	303	ESE	2.7	216	294	ESE	8.8
414	207	NNE	3.5	6, 570	285	ESE	21.4	1, 350	303	ESE	3.1	414	288	ESE	11.1
612	204	NNE	3.0	6, 750	285	ESE	20.8	1, 530	297	ESE	4.9	612	284	ESE	13.5
801	152	NNW	1.7	6, 930	285	ESE	22.0	1, 710	298	ESE	6.7	801	282	ESE	13.7
990	69	WSW	1.9	Disappearance: Distance.				2, 070	298	ESE	7.5	990	278	E	13.3
1, 170	62	WSW	1.1	No. 267. Oct. 15, 1929; 17h 43m. Clouds: Few Ci ENE. Vis.: 9				2, 250	293	ESE	8.0	1, 170	277	E	11.2
1, 350	236	NE	2.0	Surface	305	SE	2.2	2, 430	300	ESE	7.3	1, 350	286	ESE	8.2
1, 530	245	ENE	2.9	216	309	SE	5.8	2, 610	307	SE	7.7	1, 530	288	ESE	7.5
1, 710	266	E	4.7	414	321	SE	9.2	2, 790	301	ESE	8.3	1, 710	263	E	7.6
1, 890	272	E	8.4	612	321	SE	12.6	2, 970	297	ESE	7.8	1, 890	231	NE	7.5
2, 070	281	E	11.5	801	325	SE	12.5	3, 150	305	SE	8.4	2, 070	211	NNE	8.7
2, 250	286	ESE	13.2	990	326	SE	12.5	3, 330	318	SE	9.6	2, 250	204	NNE	9.8
2, 430	288	ESE	13.3	1, 170	329	SSE	11.5	3, 510	325	SE	10.5	2, 430	200	NNE	10.2
2, 610	292	ESE	13.9	1, 350	322	SE	10.9	3, 690	323	SE	10.2	2, 610	200	NNE	9.9
2, 790	295	ESE	14.8	1, 530	307	SE	11.4	3, 870	319	SE	9.8	2, 790	203	NNE	9.0
2, 970	293	ESE	14.6	1, 710	302	ESE	12.0	4, 050	312	SE	9.8	2, 970	197	NNE	9.2
3, 150	288	ESE	15.0	1, 890	301	ESE	12.0	4, 230	306	SE	10.5	3, 150	193	NNE	9.8
3, 330	286	ESE	16.5	2, 070	299	ESE	11.8	4, 410	306	SE	10.5	3, 330	194	NNE	9.8
3, 510	287	ESE	18.0	2, 250	296	ESE	12.3	4, 590	309	SE	9.7	3, 510	193	NNE	9.9
3, 690	287	ESE	18.8	2, 430	298	ESE	12.2	4, 770	309	SE	9.8	3, 690	190	N	9.5
3, 870	289	ESE	19.4	2, 610	301	ESE	13.4	4, 950	307	SE	10.1	3, 870	189	N	9.5
4, 050	291	ESE	20.0	2, 790	295	ESE	12.2	5, 130	306	SE	10.5	4, 050	185	N	8.9
4, 230	289	ESE	20.7	2, 970	290	ESE	11.5	5, 310	305	SE	10.9	4, 230	190	N	10.

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind				
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	
No. 272—Continued				No. 274. Oct. 22, 1929; 18h 51m. Clouds: 9 CiSt S. Vis.: 8. 22° halo, and faint par- helia				No. 276—Continued				No. 277—Continued				
612	296	ESE	11.8	Surface	52	SW	5.4	1,710	203	NNE	2.6	4,770	257	ENE	6.4	
801	305	SE	8.3	216	41	SW	10.2	1,890	228	NE	2.8	4,950	257	ENE	6.5	
990	317	SE	6.9	414	39	SW	12.5	2,070	260	E	4.5	5,130	248	ENE	6.0	
1,170	319	SE	4.5	612	32	SSW	9.5	2,250	274	E	6.3	5,310	245	ENE	6.2	
1,350	326	SE	2.3	801	5	S	6.1	2,430	277	E	6.7	5,490	241	ENE	6.4	
1,530	348	SSE	1.7	990	355	S	6.1	2,610	279	E	7.2	5,670	237	ENE	6.5	
1,710	30	SSW	0.6	1,170	3	S	7.3	2,790	277	E	7.9	5,850	232	NE	6.7	
1,890	97	W	1.7	1,350	9	S	8.9	2,970	274	E	8.7	6,030	231	NE	6.9	
2,070	106	WNW	2.2	1,530	1	S	8.5	3,150	274	E	10.5	6,210	229	NE	6.7	
2,250	106	WNW	2.5	1,710	336	SSE	7.1	3,330	276	E	12.5	6,390	226	NE	6.3	
2,430	100	W	2.8	1,890	322	SE	6.5	3,510	278	E	13.4	6,570	230	NE	6.2	
2,610	97	W	3.3	2,070	323	SE	5.7	3,690	278	E	14.2	6,750	233	NE	6.0	
2,790	104	WNW	4.0	2,250	327	SE	5.5	3,870	280	E	15.0	6,930	235	NE	6.0	
2,970	110	WNW	4.8	2,430	323	SE	5.9	4,050	281	E	15.4	7,110	238	ENE	6.6	
3,150	107	WNW	5.0	2,610	327	SE	6.6	4,230	277	E	15.5	7,290	244	ENE	6.5	
3,330	107	WNW	4.7	2,790	342	SSE	6.4	4,410	277	E	17.8	7,470	251	ENE	6.5	
3,510	113	WNW	4.5	2,970	341	SSE	6.2	4,590	280	E	18.5	7,650	262	E	7.2	
3,690	118	WNW	4.5	3,150	337	SSE	5.1	4,770	282	ESE	17.5	7,830	261	E	10.1	
3,870	117	WNW	4.3	3,330	353	S	5.4	4,950	283	ESE	16.8	8,010	259	E	11.6	
4,050	119	WNW	4.3	3,510	4	S	6.3	5,130	283	ESE	15.5	Disappearance: Bursting. Entered a Cu at 3,870m.				
4,230	122	WNW	4.5	3,690	4	S	6.4	5,310	284	ESE	15.5	No. 278. Oct. 25, 1929; 20h 05m. Clouds: Few Ci ENE. Vis.: 9				
4,410	122	WNW	4.4	3,870	5	S	6.5	5,490	283	ESE	15.2	Surface	Calm	-----	Calm	
4,590	129	NW	3.7	Disappearance: Entered CiSt, 3,870 m.				5,670	281	E	14.2	216	319	SE	2.2	
4,770	146	NW	3.2	No. 275. Oct. 23, 1929; 21h 54m. Clouds: 7 StCu E. Vis.: 6	Surface	278	E	4.0	5,850	282	ESE	15.0	414	309	SE	2.2
4,950	148	NNW	3.0	216	343	SSE	5.0	6,030	284	ESE	14.0	612	282	ESE	2.7	
5,130	137	NW	2.4	612	79	W	0.2	6,210	289	ESE	14.0	801	279	E	2.9	
5,310	132	NW	3.7	801	189	N	3.9	6,390	287	ESE	14.0	990	280	E	2.5	
5,490	131	NW	3.8	990	201	NNE	5.7	6,570	287	ESE	14.0	1,170	304	SE	2.0	
5,670	133	NW	5.0	1,170	225	NE	6.7	6,750	285	ESE	13.8	1,350	311	SE	2.9	
5,850	132	NW	5.7	1,350	252	ENE	7.9	6,930	285	ESE	13.2	1,530	300	ESE	4.2	
6,030	127	NW	5.8	1,530	269	E	9.4	7,110	286	ESE	14.0	1,710	291	ESE	4.6	
6,210	125	NW	5.9	1,710	274	E	11.0	7,290	287	ESE	15.4	1,890	286	ESE	5.0	
6,390	129	NW	6.2	1,890	278	E	12.4	7,470	288	ESE	16.0	2,070	275	E	5.4	
6,570	125	NW	6.7	2,070	277	E	13.4	7,650	288	ESE	15.4	2,250	268	E	5.2	
6,750	113	WNW	7.2	2,250	275	E	13.7	7,830	290	ESE	14.0	2,430	270	E	4.7	
6,930	116	WNW	7.8	2,430	270	E	13.9	Disappearance: Distance.			2,610	253	ENE	3.6		
7,110	122	WNW	7.7	2,610	268	E	14.8	No. 277. Oct. 25, 1929; 9h 15m. Clouds: 6 ACu ESE. Vis.: 9			2,790	222	NE	3.3		
7,290	116	WNW	7.0	Disappearance: Behind StCu. East wind at surface not more than 20 m. thick.				Surface	16	SSW	2.2	2,970	229	NE	3.4	
7,470	114	WNW	6.4	No. 276. Oct. 24, 1929; 10h 19m. Clouds: Few St. NE. Vis.: 9	216	332	SSE	2.4	1,170	287	ESE	2.8	3,150	235	NE	3.2
Disappearance: Bursting.				216	343	SSE	5.0	1,350	290	ESE	3.2	3,330	230	NE	3.5	
No. 273. Oct. 22, 1929; 13h 14 m. Clouds: 7 CiSt S, 2 StCu S. Vis.: 7. 22° solar halo and parhelia				414	350	S	3.3	1,530	275	E	3.7	3,510	223	NE	3.7	
Surface	18	SSW	7.1	612	79	W	0.2	1,710	256	ENE	4.4	3,690	235	NE	3.7	
216	3	S	11.4	801	189	N	3.9	1,890	253	ENE	4.2	3,870	235	NE	3.7	
414	353	S	12.3	990	201	NNE	5.7	2,070	258	ENE	3.5	3,970	235	NE	3.7	
612	349	S	12.4	1,170	225	NE	6.7	2,250	267	E	3.7	4,050	252	ENE	4.8	
801	347	SSE	12.4	1,350	252	ENE	7.9	2,430	268	E	3.5	4,230	251	ENE	5.7	
990	341	SSE	11.4	1,530	269	E	9.4	2,610	273	E	2.5	4,410	269	E	6.0	
1,170	347	SSE	9.0	1,710	274	E	11.0	2,790	273	ESE	2.2	4,590	283	ESE	6.9	
1,350	2	S	8.0	1,890	278	E	12.4	2,970	273	E	2.2	4,770	274	E	7.9	
1,530	359	S	8.5	2,070	277	E	13.4	3,150	264	E	2.4	4,950	258	ENE	7.8	
1,710	349	S	8.8	2,250	275	E	13.7	3,330	266	E	2.5	5,130	250	ENE	6.9	
1,890	342	SSE	8.8	2,430	270	E	13.9	3,510	272	E	2.7	5,310	255	ENE	7.1	
2,070	346	SSE	9.1	2,610	268	E	14.8	3,690	276	E	3.6	5,490	259	E	7.9	
2,250	331	SSE	8.7	Disappearance: Behind StCu. East wind at surface not more than 20 m. thick.				3,870	289	ESE	5.0	5,670	260	E	8.2	
2,430	330	SSE	8.1	No. 276. Oct. 24, 1929; 10h 19m. Clouds: Few St. NE. Vis.: 9	216	239	ENE	2.5	4,050	298	ESE	6.0	5,850	263	E	8.2
2,610	336	SSE	7.2	Surface	316	SE	2.2	4,230	287	ESE	6.0	6,030	262	E	8.5	
2,790	347	SSE	6.3	216	239	ENE	2.5	4,410	259	E	5.8	6,210	260	E	10.0	
2,970	350	S	6.5	414	211	NNE	4.0	4,590	249	ENE	6.0	6,390	258	ENE	9.4	
Disappearance: Bursting.				612	213	NNE	4.3				6,570	257	ENE	10.4		
				801	244	ENE	4.2				6,750	256	ENE	11.0		
				990	259	E	5.3				6,930	256	ENE	10.9		
				1,170	225	NE	4.7				7,110	261	E	11.0		
				1,350	209	NNE	4.5				7,290	262	E	12.3		
				1,530	204	NNE	4.0									

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 278—Continued				No. 280—Continued				No. 281—Continued				No. 283—Continued			
7,470	262	E	13.3	1,890	259	E	5.8	7,290	196	NNE	17.7	2,250	338	SSE	3.2
7,650	266	E	13.0	2,070	256	ENE	5.7	7,470	192	NNE	16.5	2,430	348	SSE	1.2
7,830	270	E	13.6	2,250	254	ENE	6.0	7,650	194	NNE	19.5	2,610	39	SW	1.3
8,010	269	E	13.9	2,430	250	ENE	6.0	7,830	194	NNE	21.0	2,790	359	S	2.2
8,190	270	E	14.8	2,610	251	ENE	6.1	8,010	194	NNE	22.0	2,970	350	S	3.7
8,370	272	E	15.6	2,790	252	ENE	6.1	8,190	192	NNE	22.0	3,150	353	S	4.8
8,550	271	E	16.2	2,970	250	ENE	6.5	8,370	190	N	22.0	3,330	337	SSE	4.2
8,730	276	E	17.0	3,150	246	ENE	6.7	8,550	192	NNE	23.2	3,510	325	SE	4.9
8,910	281	E	17.2	3,330	255	ENE	6.1	8,730	193	NNE	23.0	3,690	330	SSE	5.0
9,090	280	E	17.2	3,510	268	E	5.7	8,910	193	NNE	21.0	3,870	325	SE	5.0
9,270	280	E	17.8	3,690	271	E	5.0	9,090	195	NNE	20.4	4,050	319	SE	4.7
9,450	280	E	17.8	3,870	269	E	4.1	Disappearance: Behind AST. AST clouds formed in NE and drifted over sky rapidly.				4,230	311	SE	4.3
9,630	281	E	15.8	4,050	259	E	4.6					4,410	316	SE;	4.0
9,810	282	ESE	14.0	4,230	258	ENE	5.7	No. 282. Oct. 28, 1929; 8h 36m. Clouds: 9 CiSt ENE. Vis.: 8. 22° halo				4,590	329	SSE	4.5
9,990	279	E	13.0	4,410	258	ENE	6.0					4,770	323	SE	5.3
10,170	277	E	12.2	4,590	257	ENE	7.1	Surface				4,950	321	SE	7.0
				4,770	259	E	7.6					5,130	323	SE	8.4
				4,950	264	E	8.7	Surface				5,310	315	SE	8.3
				5,130	266	E	10.3					5,490	308	SE	7.8
				5,310	265	E	10.4	Surface				5,670	302	ESE	6.9
				5,490	267	E	11.0					5,850	297	ESE	7.1
				5,670	267	E	11.3	Surface				6,030	302	ESE	7.4
				Disappearance: CiSt, 5,670 m. Entered base of CiSt at 4,950 m.								6,210	303	ESE	7.0
				No. 281. Oct. 27, 1929; 9h 18m. Clouds: 1 CiSt NNE. Vis.: 9				Surface				6,390	303	ESE	7.2
				Surface								6,570	306	SE	6.3
				13	SSW	2.7	Surface				6,750	315	SE	6.8	
				216	325	SE					6.1	6,930	319	SE	7.8
				414	264	E	5.7	Surface				7,110	318	SE	8.5
				612	234	NE	4.5					7,290	310	SE	8.6
				801	258	ENE	4.4	Surface				7,470	303	ESE	9.2
				990	258	ENE	3.4					7,650	302	ESE	9.5
				1,170	259	E	3.4	Surface				7,830	301	ESE	9.5
				1,350	264	E	4.0					8,010	300	ESE	9.0
				1,530	268	E	3.5	Surface				8,190	298	ESE	8.8
				1,710	262	E	2.2					8,370	298	ESE	8.3
				1,890	255	ENE	1.7	Surface				8,550	299	ESE	8.0
				2,070	261	E	1.9					8,730	299	ESE	8.8
				2,250	240	ENE	2.0	Surface				8,910	295	ESE	9.4
				2,430	205	NNE	2.5					9,090	300	ESE	10.1
				2,610	211	NNE	2.7	Surface				9,270	302	ESE	10.5
				2,790	217	NE	3.1					9,450	301	ESE	9.5
				2,970	207	NNE	3.0	Surface				9,630	307	SE	9.0
				3,150	243	ENE	2.5					9,810	306	SE	8.8
				3,330	210	NNE	5.5	Surface				9,990	300	ESE	8.5
				3,510	199	NNE	8.7					10,170	299	ESE	8.2
				3,690	208	NNE	7.9	Surface				Disappearance: (?). Right hand parhelion.			
				3,870	213	NNE	8.2					No. 284. Oct. 29, 1929; 8h 54m. Clouds: 2 CiCu, 2 ACu SW. Vis.: 9			
				4,050	218	NE	7.8	Surface				62	WSW	3.1	
				4,230	215	NE	7.7					216	66	WSW	6.3
				4,410	207	NNE	8.2	Surface				414	78	WSW	7.5
				4,590	205	NNE	8.5					612	82	W	7.3
				4,770	203	NNE	8.0	Surface				801	83	W	7.8
				4,950	200	NNE	7.6					990	86	W	8.3
				5,130	197	NNE	8.0	Surface				1,170	86	W	7.5
				5,310	193	NNE	8.0					1,350	78	WSW	7.5
				5,490	196	NNE	8.0	Surface				1,530	79	W	8.1
				5,670	197	NNE	7.5					1,710	66	WSW	6.6
				5,850	196	NNE	6.9	Surface				1,890	66	WSW	4.2
				6,030	194	NNE	8.5					2,070	66	WSW	4.1
				6,210	196	NNE	10.5	Surface				2,250	65	WSW	4.5
				6,390	196	NNE	12.2					2,430	55	SW	4.2
				6,570	194	NNE	15.0	Surface				2,610	31	SSW	4.3
				6,750	190	N	16.6					2,790	25	SSW	4.3
				6,930	192	NNE	17.1	Surface							
				7,110	197	NNE	19.6								

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 284—Continued				No. 286. Nov. 2, 1929; 17h 40m. Clouds: 10 St NNW. Vis.: 6				No. 290. Nov. 5, 1929; 9h 14m. Clouds: 1 CiSt, Few St ESE. Vis.: 9				No. 293. Nov. 7, 1929; 9h 24m. Clouds: 9 StCu N. Vis.: 7. Clear along NW horizon			
2,970	32	SSW	4.2	Surface	285	ESE	5.4	Surface	320	SE	5.4	Surface	Calm	---	Calm
3,150	29	SSW	4.7	216	249	ENE	7.9	216	303	ESE	10.9	216	138	NW	2.0
3,330	25	SSW	5.4	414	227	NE	6.6	414	298	ESE	13.2	414	141	NW	3.3
3,510	24	SSW	5.7	612	204	NNE	5.8	612	296	ESE	12.8	612	133	NW	1.2
Disappearance: Obstruction. ACu changing into StCu.				801	174	N	7.3	801	301	ESE	11.9	801	43	SW	1.7
No. 285. Oct. 29, 1929; 20h 02m. Clouds: Few ACu (WSW?), Few St W. Vis.: 8				891	161	NNW	9.2	990	312	SE	11.2	990	54	SW	2.8
Surface	35	SW	1.8	Disappearance: Entered St, 891 m.				1,170	321	SE	9.8	1,170	82	W	3.5
216	86	W	5.0	No. 287. Nov. 3, 1929; 9h 05m. Clouds: 10 StCu NW. Vis.: 6				1,350	322	SE	7.5	1,350	101	W	3.0
414	99	W	8.0	Surface	17	SSW	3.6	1,530	300	ESE	5.3	1,530	138	NW	1.3
612	103	WNW	8.5	216	284	ESE	1.8	1,710	272	E	4.9	1,710	183	N	0.8
801	104	WNW	8.3	414	265	E	1.2	1,890	267	E	3.6	1,770	180	N	1.2
990	103	WNW	7.7	612	294	ESE	0.4	2,070	274	E	2.5	Disappearance: Entered StCu, 1,770 m.			
1,170	102	WNW	6.5	801	64	WSW	0.6	2,250	271	E	2.0	No. 294. Nov. 8, 1929; 13h 50m Clouds: 10 StCu NW. Vis.: 6			
1,350	97	W	5.5	990	70	WSW	1.2	2,430	241	ENE	1.8	Surface	115	WNW	4.0
1,530	93	W	4.6	1,170	76	WSW	1.5	2,610	226	NE	1.9	216	119	WNW	8.1
1,710	88	WSW	4.4	1,350	83	W	1.7	2,790	212	NNE	2.0	414	124	NW	10.7
1,890	78	WSW	4.0	1,530	106	WNW	1.8	2,970	187	N	2.1	612	128	NW	12.0
2,070	70	WSW	3.5	1,575	124	NW	2.0	3,150	172	N	2.0	801	130	NW	12.2
2,250	79	W	3.2	Disappearance: Entered StCu, 1,575 m.				3,330	167	NNW	2.3	Disappearance: Entered StCu, 801 m.			
2,430	82	W	3.0	No. 288. Nov. 3, 1929; 21h 47m. Clouds: 9 StCu WSW, 1 St NW. Vis.: 7				3,510	156	NNW	3.7	No. 295. Nov. 9, 1929; 9h 14m. Clouds: 6 CiSt, 3 StCu NNW. Bright 22° halo; heavy snow flurries to N and NW			
2,610	62	WSW	2.5	Surface	214	NE	4.0	3,690	149	NNW	5.0	Surface	172	N	4.0
2,790	44	SW	2.4	216	166	NNW	5.8	3,870	147	NNW	5.7	216	159	NNW	7.8
2,970	28	SSW	1.7	414	156	NNW	6.4	4,050	144	NW	6.4	414	160	NNW	9.5
3,150	10	S	1.0	612	150	NNW	6.4	4,230	138	NW	7.2	612	159	NNW	10.2
3,330	345	SSE	1.9	801	142	NW	5.7	4,410	135	NW	7.8	801	156	NNW	11.0
3,510	334	SSE	4.2	990	137	NW	3.7	Disappearance: Bursting.				990	154	NNW	11.0
3,690	318	SE	4.5	1,170	110	WNW	2.0	No. 291. Nov. 5, 1929; 21h. Clouds: 9 StCu SE. Vis.: 6				1,170	154	NNW	10.6
3,870	314	SE	5.0	1,350	75	WSW	2.2	Surface	345	SSE	4.0	1,350	155	NNW	10.5
4,050	309	SE	5.7	1,530	70	WSW	2.8	216	334	SSE	6.7	1,530	159	NNW	10.5
4,230	301	ESE	5.9	1,710	72	WSW	3.7	414	322	SE	7.4	1,710	161	NNW	10.8
4,410	296	ESE	6.2	1,890	76	WSW	4.5	612	317	SE	8.3	Disappearance: Entered StCu, 1,440 m.			
4,590	295	ESE	6.5	2,025	79	W	5.1	801	313	SE	9.8	No. 292. Nov. 6, 1929; 9h 41m. Clouds: 10 StCu ESE. Vis.: 6			
4,770	297	ESE	5.7	Disappearance: Entered StCu, 2,025 m.				990	312	SE	12.1	Surface	262	E	4.0
4,950	305	SE	5.5	No. 289. Nov. 4, 1929; 9h 26m. Clouds: 10 St ESE				1,170	313	SE	11.7	216	262	E	5.7
5,130	318	SE	6.5	Surface	274	E	2.7	1,350	313	SE	8.5	414	236	NE	2.4
5,310	308	SE	7.1	216	269	E	11.9	1,440	314	SE	6.6	612	232	NE	1.0
5,490	300	ESE	8.0	414	265	E	10.7	Disappearance: Entered StCu, 1,440 m.				801	306	SE	0.9
5,670	308	SE	8.5	612	267	E	5.7	No. 296. Nov. 10, 1929; 10h 04m. Clouds: 1 CiSt N, 1 ACu NE, Few St SE. Vis.: 9				990	320	SE	1.8
5,850	308	SE	8.5	801	272	E	2.0	Disappearance: Behind StCu.				1,170	306	SE	2.5
6,030	305	SE	8.7	990	267	E	1.0	No. 297. Nov. 10, 1929; 10h 04m. Clouds: 1 CiSt N, 1 ACu NE, Few St SE. Vis.: 9				1,350	289	ESE	2.5
6,210	309	SE	9.2	1,170	250	ENE	0.8	Surface	294	ESE	4.0	1,530	301	ESE	2.5
6,390	314	SE	9.5	1,350	276	E	1.3	216	287	ESE	5.3	1,710	318	SE	3.0
6,570	311	SE	7.9	1,530	283	ESE	1.7	414	293	ESE	4.0	1,890	312	SE	3.8
6,750	315	SE	7.9	Disappearance: Entered St, 1,530 m.				612	328	SSE	3.5	2,070	315	SE	3.0
6,930	316	SE	8.5	No. 298. Nov. 4, 1929; 9h 26m. Clouds: 10 St ESE				801	341	SSE	5.0	Disappearance: Entered StCu, 1,770 m.			
7,110	308	SE	8.2	Surface	274	E	2.7	990	329	SSE	5.1	No. 299. Nov. 10, 1929; 10h 04m. Clouds: 1 CiSt N, 1 ACu NE, Few St SE. Vis.: 9			
7,290	310	SE	8.5	216	269	E	11.9	1,170	315	SE	4.1	Surface	262	E	4.0
7,470	297	ESE	7.5	414	265	E	10.7	1,350	302	ESE	4.1	216	262	E	5.7
7,650	293	ESE	8.1	612	267	E	5.7	1,530	298	ESE	4.0	414	236	NE	2.4
7,830	302	ESE	9.7	801	272	E	2.0	1,710	299	ESE	5.2	612	232	NE	1.0
8,010	307	SE	9.1	990	267	E	1.0	1,890	297	ESE	6.5	801	306	SE	0.9
8,190	309	SE	8.1	1,170	250	ENE	0.8	Disappearance: Entered StCu, 1,770 m.				990	320	SE	1.8
8,370	309	SE	8.1	1,350	276	E	1.3	No. 300. Nov. 10, 1929; 10h 04m. Clouds: 1 CiSt N, 1 ACu NE, Few St SE. Vis.: 9				1,170	306	SE	2.5
8,550	300	ESE	8.6	1,530	283	ESE	1.7	Disappearance: Entered StCu, 1,770 m.				1,350	289	ESE	2.5
8,730	301	ESE	8.9	Disappearance: Entered St, 1,530 m.				No. 301. Nov. 10, 1929; 10h 04m. Clouds: 1 CiSt N, 1 ACu NE, Few St SE. Vis.: 9				1,530	301	ESE	2.5
8,910	304	SE	8.0	Disappearance: Entered St, 1,530 m.				No. 302. Nov. 10, 1929; 10h 04m. Clouds: 1 CiSt N, 1 ACu NE, Few St SE. Vis.: 9				1,710	318	SE	3.0
9,090	294	ESE	7.8	Disappearance: Entered St, 1,530 m.				No. 303. Nov. 10, 1929; 10h 04m. Clouds: 1 CiSt N, 1 ACu NE, Few St SE. Vis.: 9				1,890	312	SE	3.8
9,270	292	ESE	8.0	Disappearance: Entered St, 1,530 m.				No. 304. Nov. 10, 1929; 10h 04m. Clouds: 1 CiSt N, 1 ACu NE, Few St SE. Vis.: 9				2,070	315	SE	3.0
9,450	295	ESE	7.1	Disappearance: Entered St, 1,530 m.				No. 305. Nov. 10, 1929; 10h 04m. Clouds: 1 CiSt N, 1 ACu NE, Few St SE. Vis.: 9				Disappearance: Entered StCu, 1,770 m.			
9,630	305	SE	6.2	Disappearance: Entered St, 1,530 m.				No. 306. Nov. 10, 1929; 10h 04m. Clouds: 1 CiSt N, 1 ACu NE, Few St SE. Vis.: 9				Disappearance: Entered StCu, 1,770 m.			
Disappearance: (?).				Disappearance: Entered St, 1,530 m.				No. 307. Nov. 10, 1929; 10h 04m. Clouds: 1 CiSt N, 1 ACu NE, Few St SE. Vis.: 9				Disappearance: Entered StCu, 1,770 m.			

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 296—Continued				No. 297—Continued				No. 298—Continued				No. 301—Continued			
2,250	349	S	2.5	3,690	273	E	3.5	4,410	266	E	5.0	1,710	264	E	3.1
2,430	18	SSW	2.7	3,870	266	E	3.2	4,590	266	E	5.5	1,890	267	E	3.7
2,610	28	SSW	2.6	4,050	263	E	3.1	4,770	266	E	6.2	2,070	270	E	4.2
2,790	357	S	2.0	4,230	259	E	3.7	4,950	262	E	7.3	2,250	274	E	5.0
2,970	320	SE	2.2	4,410	252	ENE	3.9	5,130	260	E	8.5	2,430	270	E	5.5
3,150	317	SE	1.7	4,590	248	ENE	4.5	5,310	260	E	8.7	2,610	266	E	5.7
3,330	282	ESE	1.9	4,770	242	ENE	5.3	5,490	256	ENE	8.5	2,790	265	E	5.7
3,510	241	ENE	2.3	4,950	239	ENE	5.7	Disappearance: Behind Ast.				2,970	266	E	5.9
3,690	224	NE	2.4	5,130	239	ENE	5.0	No. 299. Nov. 11, 1929; 21h				3,150	269	E	6.8
3,870	231	NE	2.0	5,310	239	ENE	5.0	49m. Clouds: 2 ACu E, 1				3,330	266	E	7.7
4,050	233	NE	2.0	5,490	242	ENE	5.2	Ast E. Vis.: 8				3,510	262	E	8.2
4,230	230	NE	2.7	5,670	249	ENE	5.5	Surface	282	ESE	1.3	3,690	261	E	8.3
4,410	220	NE	3.5	5,850	245	ENE	6.5	216	298	ESE	3.5	3,870	259	E	8.3
4,590	215	NE	4.2	6,030	241	ENE	6.8	414	309	SE	4.3	4,050	253	ENE	7.9
4,770	214	NE	4.2	6,210	242	ENE	6.5	612	309	SE	5.4	4,230	246	ENE	7.6
4,950	216	NE	4.7	6,390	242	ENE	6.6	801	312	SE	6.0	4,410	245	ENE	7.0
5,130	222	NE	5.5	6,570	241	ENE	7.2	990	310	SE	6.5	4,590	237	ENE	6.5
5,310	220	NE	6.0	6,750	241	ENE	7.0	1,170	308	SE	5.8	4,770	231	NE	6.0
5,490	215	NE	6.3	6,930	245	ENE	7.4	1,350	306	SE	5.7	4,950	234	NE	5.2
5,670	214	NE	6.8	7,110	243	ENE	6.7	1,530	296	ESE	6.0	5,130	237	ENE	5.1
5,850	217	NE	7.8	7,290	238	ENE	7.0	1,710	290	ESE	4.1	5,310	233	NE	4.9
6,030	221	NE	8.5	7,470	246	ENE	6.3	1,890	291	ESE	2.8	5,490	220	NE	5.1
6,210	221	NE	8.0	7,650	245	ENE	5.5	2,070	289	ESE	2.9	5,670	213	NNE	5.9
6,390	222	NE	8.7	7,830	233	NE	5.0	2,250	257	ENE	4.0	5,850	215	NE	6.2
6,570	223	NE	9.0	8,010	222	NE	4.0	2,430	255	ENE	5.3	6,030	217	NE	6.1
6,750	218	NE	8.0	8,190	229	NE	4.0	2,610	264	E	6.8	6,210	218	NE	6.0
6,930	216	NE	7.7	8,370	237	ENE	4.6	2,790	265	E	8.5	6,390	219	NE	6.0
7,110	217	NE	7.7	8,550	226	NE	5.2	2,970	265	E	9.0	6,570	223	NE	6.3
7,290	218	NE	7.5	8,730	232	NE	4.8	Disappearance: Frosting of lens.				6,750	228	NE	6.4
7,470	220	NE	7.7	8,910	240	ENE	5.2	No. 300. Nov. 12, 1929; 10h				6,930	231	NE	6.8
7,650	218	NE	7.8	9,090	227	NE	4.8	08m. Clouds: 8 StCu SE.				7,110	233	NE	7.0
7,830	215	NE	7.4	9,270	219	NE	4.2	Vis.: 6				7,290	236	NE	6.6
8,010	216	NE	7.0	9,450	216	NE	3.7	Surface	301	ESE	8.1	7,470	241	ENE	8.4
8,190	221	NE	6.6	9,630	221	NE	3.4	216	307	SE	9.9	7,650	245	ENE	9.5
8,370	225	NE	6.5	9,810	224	NE	3.2	414	309	SE	10.0	7,830	248	ENE	9.9
8,550	225	NE	5.7	Disappearance: Bursting.				612	303	ESE	8.2	8,010	248	ENE	10.5
8,730	227	NE	5.5	Strong looming to W over the bay.				801	300	ESE	7.3	8,190	251	ENE	10.9
8,910	223	NE	5.2	No. 298. Nov. 11, 1929; 9h				990	302	ESE	8.9	8,370	249	ENE	11.5
9,090	211	NNE	5.8	54m. Clouds: 1 CiSt SSE, 5				1,170	305	SE	12.0	8,550	247	ENE	12.6
9,270	202	NNE	6.0	Ast (SE?). Vis.: 8. Clouds				1,350	312	SE	14.5	8,730	249	ENE	12.5
9,450	192	NNE	5.8	moved in from SE				1,530	321	SE	15.7	8,910	252	ENE	11.2
Disappearance: Bursting.				Surface	358	S	3.1	1,710	323	SE	16.2	9,090	254	ENE	12.2
No. 297. Nov. 10, 1929; 21h				216	344	SSE	4.7	Disappearance: Behind StCu.				9,270	255	ENE	12.3
42m. Clouds: Few Ci (ENE?)				414	322	SE	6.2	Balloon entered StCu at 990 m.				9,450	256	ENE	11.0
2 ACu SE. Vis.: 9. Parhelia				612	323	SE	8.2	No. 301. Nov. 13, 1929; 9h				Disappearance: Bursting.			
and circumzenithal arc				801	333	SSE	7.9	31m. Clouds: Few Ci (NE?).				No. 302. Nov. 13, 1929; 20h.			
				990	334	SSE	6.5	Vis.: 9.				Clouds: 0. Vis.: 9			
Surface	7	S	4.9	1,170	332	SSE	7.3	Surface	Calm	-----	Calm	Surface	266	E	4.5
216	319	SE	2.5	1,350	331	SSE	8.0	216	81	W	1.2	216	265	E	5.4
414	317	SE	3.2	1,530	324	SE	7.7	414	58	WSW	2.5	414	257	ENE	2.5
612	325	SE	5.5	1,710	319	SE	6.5	612	8	S	3.2	612	246	ENE	3.4
801	334	SSE	6.5	1,890	322	SE	4.5	801	335	SSE	3.3	801	216	NE	3.8
990	348	SSE	6.8	2,070	336	SSE	4.3	990	285	ESE	2.5	990	177	N	3.3
1,170	357	S	7.5	2,250	345	SSE	4.5	1,170	254	ENE	2.9	1,170	182	N	3.4
1,350	2	S	8.0	2,430	338	SSE	4.3	1,350	257	ENE	2.5	1,350	196	NNE	4.2
1,530	4	S	8.6	2,610	329	SSE	4.2	1,530	258	ENE	2.6	1,530	192	NNE	4.3
1,710	0	S	8.3	2,790	325	SE	4.0					1,710	188	N	4.0
1,890	347	SSE	7.2	2,970	321	SE	3.3					1,890	199	NNE	3.2
2,070	328	SSE	6.5	3,150	321	SE	3.0					2,070	230	NE	2.8
2,250	313	SE	6.1	3,330	323	SE	2.7					2,250	242	ENE	3.4
2,430	306	SE	5.9	3,510	287	ESE	2.9					2,430	235	NE	4.0
2,610	304	SE	6.5	3,690	277	E	3.5					2,610	234	NE	4.5
2,790	307	SE	6.0	3,870	267	E	3.7					2,790	237	ENE	5.0
2,970	314	SE	4.7	4,050	269	E	3.0					2,970	245	ENE	5.0
3,150	318	SE	3.9	4,230	267	E	3.4					3,150	252	ENE	5.9
3,330	309	SE	3.5									3,330	245	ENE	6.0
3,510	293	ESE	3.3									3,510	249	ENE	4.8

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 302—Continued				No. 304—Continued				No. 305—Continued				No. 306—Continued			
3,690	249	ENE	4.5	2,070	155	NNW	1.3	2,970	81	W	4.0	6,210	98	W	38.6
3,870	254	ENE	4.2	2,250	157	NNW	1.6	3,150	77	WSW	4.2	6,390	98	W	42.3
4,050	262	E	4.0	2,430	115	WNW	0.7	3,330	79	W	4.8	6,570	96	W	44.0
4,230	270	E	3.3	2,610	36	SW	0.5	3,510	76	WSW	5.0	6,750	94	W	45.0
4,410	280	E	2.5	2,790	238	ENE	1.2	3,690	74	WSW	4.8	6,930	92	W	46.2
4,590	292	ESE	2.3	2,970	184	N	2.3	3,870	80	W	5.5	7,110	91	W	49.0
4,770	295	ESE	1.7	3,150	137	NW	2.3	4,050	78	WSW	6.4	7,290	92	W	50.0
4,950	303	ESE	1.0	3,330	120	WNW	1.8	4,230	77	WSW	7.0	7,470	91	W	51.8
5,130	311	SE	1.5	3,510	109	WNW	2.2	4,410	80	W	7.2	7,650	91	W	54.2
5,310	314	SE	1.3	3,690	58	WSW	1.9	4,590	77	WSW	7.0	7,830	90	W	53.0
5,490	319	SE	1.0	3,870	34	SW	1.7	4,770	72	WSW	7.5	8,010	90	W	52.0
5,670	319	SE	0.8	4,050	56	SW	1.0	4,950	76	WSW	8.7				
5,850	281	E	1.0	4,230	111	WNW	1.7	5,130	79	W	9.4	Disappearance: Distance.			
6,030	266	E	1.3	4,410	100	W	2.4	5,310	78	WSW	10.3	No. 307. Nov. 16, 1929; 20h			
6,210	274	E	1.8	4,590	80	W	2.3	5,490	78	WSW	11.2	59m. Clouds: 2 Ci W, 1 CiSt			
6,390	278	E	2.8	4,770	72	WSW	2.0	5,670	80	W	13.3	W. Vis.: 7. Bank of clouds			
6,570	274	E	3.2	4,950	67	WSW	2.0	5,850	83	W	14.3	in NW			
6,750	263	E	3.7	5,130	77	WSW	2.5	6,030	89	W	15.0	Surface	290	ESE	9.4
6,930	263	E	4.6	5,310	95	W	3.8	6,210	91	W	17.0	216	289	ESE	16.8
7,110	267	E	5.8	5,490	88	W	4.4	6,390	91	W	18.0	414	286	ESE	13.2
7,290	264	E	7.1	5,670	76	WSW	4.3	6,570	90	W	18.4	612	295	ESE	7.4
7,470	265	E	8.2	5,850	82	W	3.5	6,750	93	W	20.5	801	318	SE	5.2
7,650	270	E	9.2	6,030	111	WNW	4.4	6,930	95	W	21.5	990	319	SE	5.1
7,830	275	E	10.4	6,210	126	NW	6.2	7,110	94	W	21.8	1,170	306	SE	4.5
8,010	265	E	10.5	6,390	121	WNW	8.8	7,290	95	W	22.0	1,350	288	ESE	3.8
8,190	260	E	10.5	6,570	114	WNW	8.6	7,470	96	W	21.2	1,530	285	ESE	3.1
8,370	259	E	10.0	6,750	106	WNW	8.3	7,650	95	W	21.0	1,710	285	ESE	3.2
8,550	260	E	9.5	6,930	103	WNW	9.0	7,830	93	W	20.8	1,890	281	E	2.9
8,730	263	E	10.0	7,110	103	WNW	8.5	Disappearance: Refraction				2,070	270	E	1.9
8,910	262	E	9.5	7,290	103	WNW	8.9	over stove pipe.				2,250	269	E	1.5
9,090	266	E	9.9	7,470	104	WNW	9.2	No. 306. Nov. 16, 1929; 10h				2,430	183	N	0.5
9,270	266	E	10.1	7,650	112	WNW	9.2	39m. Clouds: Few Ci W.				2,610	111	WNW	1.3
9,450	263	E	9.8	7,830	117	WNW	9.1	Vis.: 9				2,790	82	W	1.8
9,630	263	E	10.8	8,010	120	WNW	8.9	Surface	279	E	8.1	2,970	79	W	3.5
9,810	266	E	10.2	8,190	122	WNW	9.0	216	281	E	14.2	3,150	75	WSW	4.0
9,990	271	E	9.0	8,370	119	WNW	9.0	414	279	E	11.5	3,330	79	W	4.5
Disappearance: Bursting.				8,550	113	WNW	9.3	612	289	ESE	6.4	3,510	77	WSW	5.9
No. 303. Nov. 14, 1929; 9h				8,730	116	WNW	8.7	801	305	SE	4.7	3,690	73	WSW	7.2
40m. Clouds: 10 StCu NNE.				8,910	129	NW	8.0	990	289	ESE	4.5	3,870	74	WSW	8.2
Vis.: 7. Lt. drift				9,090	130	NW	8.0	1,170	267	E	4.2	4,050	79	W	9.1
Surface	276	E	8.5	9,270	122	WNW	7.5	1,350	263	E	3.2	4,230	83	W	10.5
216	254	ENE	11.4	9,450	120	WNW	7.6	1,530	285	ESE	2.4	4,410	86	W	13.4
414	236	NE	11.0	9,630	120	WNW	7.5	1,710	295	ESE	1.5	4,590	88	W	16.4
612	221	NE	11.5	9,810	122	WNW	6.9	1,890	259	E	1.2	4,770	87	W	18.9
801	217	NE	14.6	9,990	125	NW	7.0	2,070	243	ENE	1.5	4,950	87	W	22.5
990	210	NNE	15.8	10,170	124	NW	8.2	2,250	238	ENE	1.8	5,130	87	W	24.8
1,105	190	N	18.0	10,350	122	WNW	8.2	2,430	230	NE	1.9	5,310	87	W	25.2
Disappearance: Entered StCu,				Disappearance: Balloon burst.				No. 305. Nov. 15, 1929 20h				5,490	85	W	25.3
1,105 m.				No. 305. Nov. 15, 1929 20h				17m. Clouds: Few ACu				5,670	83	W	25.4
No. 304. Nov. 15, 1929; 10h				(WNW?). Vis.: 9				2,610				5,850	82	W	25.7
23m. Clouds: 0. Vis.: 9				Surface	257	ENE	3.1	2,790	145	NW	1.4	6,030	84	W	26.6
Surface	347	SSE	2.2	216	253	ENE	2.9	2,970	131	NW	3.0	6,210	83	W	26.0
216	345	SSE	4.0	414	243	ENE	2.0	3,150	132	NW	3.7	6,390	81	W	27.1
414	346	SSE	6.5	612	247	ENE	1.8	3,330	132	NW	4.0	6,570	80	W	29.4
612	346	SSE	5.2	801	233	NE	1.8	3,510	120	WNW	4.5	6,750	84	W	29.0
801	351	S	3.5	990	197	NNE	1.4	3,690	113	WNW	5.0	6,930	84	W	29.6
990	346	SSE	2.0	1,170	170	N	1.7	3,870	116	WNW	5.7	Disappearance: Behind ane-			
1,170	309	SE	1.5	1,350	163	NNW	2.1	4,050	111	WNW	6.5	mometer post.			
1,350	305	SE	1.6	1,530	149	NNW	3.1	4,230	109	WNW	7.0	No. 308. Nov. 17, 1929; 10h			
1,530	282	ESE	1.6	1,710	133	NW	3.9	4,410	114	WNW	7.5	09m. Clouds: Few Ci (WSW?).			
1,710	229	NE	1.7	1,890	115	WNW	5.8	4,590	110	WNW	8.0	Vis.: 9			
1,890	175	N	1.5	2,070	102	WNW	5.2	4,770	107	WNW	9.5	Surface	Calm	-----	Calm
				2,250	102	WNW	4.0	4,950	103	WNW	12.8	216	314	SE	4.8
				2,430	102	WNW	3.8	5,130	97	W	15.9	414	310	SE	8.2
				2,610	102	WNW	4.3	5,310	95	W	18.0	612	317	SE	6.9
				2,790	95	W	4.4	5,490	96	W	21.6				
								5,670	96	W	23.1				
								5,850	96	W	26.6				
								6,030	96	W	32.8				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 308—Continued				No. 309—Continued				No. 311—Continued				No. 313—Continued			
801	336	SSE	6.5	4,050	57	WSW	24.0	3,870	44	SW	28.8	2,250	355	S	11.4
990	331	SSE	7.3	4,230	55	SW	25.0	4,050	45	SW	30.2	2,430	355	S	11.8
1,170	327	SSE	7.2	4,410	56	SW	26.2	4,230	47	SW	31.0	2,610	354	S	10.8
1,350	336	SSE	5.7	4,590	59	WSW	26.8	4,410	51	SW	32.0	2,790	356	S	10.2
1,530	352	S	5.2	4,770	61	WSW	28.0	4,590	53	SW	34.5	2,970	359	S	11.2
1,710	359	S	5.5	4,950	65	WSW	27.0	4,770	53	SW	38.0	3,150	1	S	10.6
1,890	10	S	4.8	5,130	68	WSW	26.0	4,950	57	WSW	39.5	3,330	359	S	10.7
2,070	22	SSW	4.6	5,310	65	WSW	26.0	5,130	58	WSW	40.5	3,510	0	S	11.5
2,250	28	SSW	6.2	5,490	61	WSW	26.8	5,310	56	SW	44.5	3,690	6	S	12.2
2,430	32	SSW	6.8	5,670	61	WSW	28.2	5,490	54	SW	45.0	3,870	9	S	12.4
2,610	42	SW	6.3	5,850	61	WSW	29.0					4,050	9	S	14.0
2,790	45	SW	6.7	6,030	62	WSW	29.6	Disappearance: Distance.				4,230	7	S	16.2
2,970	44	SW	7.1	6,210	64	WSW	32.0	No. 312. Nov. 18, 1929; 13h				4,410	7	S	16.2
3,150	43	SW	7.8	6,390	65	WSW	32.0	49m. Clouds: 0. Vis.: 8				4,590	8	S	16.4
3,330	40	SW	9.2	6,570	65	WSW	31.8					4,770	12	SSW	16.3
3,510	37	SW	11.8	Disappearance: Distance.								4,950	14	SSW	16.7
3,690	39	SW	15.2	No. 310. Nov. 17, 1929; 21h.				Surface	42	SW	4.9	5,130	13	SSW	17.8
3,870	44	SW	16.7	Clouds: Few Ci SW. Vis.: 9				216	50	SW	7.5	5,310	16	SSW	18.2
4,050	48	SW	17.2					414	51	SW	7.8	5,490	21	SSW	16.5
4,230	50	SW	17.8					612	45	SW	9.5	5,670	19	SSW	15.5
4,410	49	SW	18.5					801	44	SW	11.0	5,850	21	SSW	17.2
4,590	50	SW	20.1					990	43	SW	11.4	6,030	26	SSW	17.3
4,770	54	SW	20.8					1,170	42	SW	12.7	6,210	25	SSW	18.0
4,950	56	SW	20.8					1,350	44	SW	13.9	6,390	27	SSW	18.2
5,130	57	WSW	21.5					1,530	42	SW	13.9	6,570	36	SW	17.0
5,310	58	WSW	22.3					1,710	41	SW	13.0	6,750	37	SW	17.6
5,490	59	WSW	23.3					1,890	42	SW	12.0	6,930	36	SW	18.5
5,670	62	WSW	25.2					2,070	38	SW	12.0	7,110	34	SW	20.2
5,850	67	WSW	26.0					2,250	37	SW	12.7	7,290	33	SSW	19.9
6,030	71	WSW	24.8					2,430	41	SW	12.9	7,470	40	SW	19.0
6,210	70	WSW	25.0					2,610	39	SW	13.2	7,650	45	SW	20.2
6,390	70	WSW	26.8					2,790	36	SW	13.8	7,830	46	SW	21.3
6,570	71	WSW	26.8					2,970	40	SW	14.3	8,010	46	SW	21.0
6,750	72	WSW	27.0					3,150	47	SW	14.6	8,190	50	SW	21.0
6,930	74	WSW	27.6					3,330	48	SW	16.1	8,370	50	SW	22.4
7,110	75	WSW	27.0					3,510	42	SW	18.2	8,550	48	SW	23.0
7,290	77	WSW	28.0					3,690	40	SW	20.8	8,730	52	SW	19.9
7,470	78	WSW	28.2					3,870	42	SW	23.3	8,910	52	SW	20.6
7,650	75	WSW	27.2					4,050	43	SW	22.8	9,090	52	SW	24.6
7,830	74	WSW	27.2					4,230	45	SW	23.0	9,270	55	SW	21.0
Disappearance: Behind anerometer post.								4,410	49	SW	26.0	9,450	53	SW	19.9
No. 309. Nov. 17, 1929; 18h								4,590	49	SW	30.5	9,630	50	SW	20.5
55m. Clouds: Few Ci WSW.								4,770	50	SW	35.0	9,810	57	WSW	20.0
Vis.: 9								4,950	51	SW	38.0	9,990	62	WSW	19.6
								5,130	54	SW	41.0	10,170	52	SW	21.9
								5,310	57	WSW	42.0	10,350	39	SW	19.0
								5,490	55	SW	43.5	10,530	35	SW	14.5
								5,670	51	SW	43.5	Disappearance: Distance.			
								5,850	50	SW	39.0	No. 314. Nov. 19, 1929; 16h			
								6,030	49	SW	37.0	40m. Clouds: 0. Vis.: 9			
								Disappearance: Distance.							
								No. 313. Nov. 19, 1929; 9h							
								04m. Clouds: 0. Vis.: 9							
Surface	5	S	5.4	Surface	64	WSW	2.7	Surface	292	ESE	4.5	Surface	47	SW	5.4
216	315	SE	9.2	216	31	SSW	6.5	216	337	SSE	3.9	216	28	SSW	9.5
414	303	ESE	10.0	414	31	SSW	7.4	414	353	S	5.0	414	17	SSW	13.9
612	302	ESE	8.8	612	37	SW	7.5	612	347	SSE	6.3	612	11	S	16.5
801	315	SE	7.0	801	43	SW	8.7	801	346	SSE	8.0	801	5	S	18.3
990	341	SSE	6.3	990	53	SW	8.9	990	341	SSE	10.4	990	4	S	18.7
1,170	345	SSE	7.3	1,170	61	WSW	8.4	1,170	342	SSE	11.7	1,170	3	S	19.0
1,350	348	SSE	8.5	1,350	55	SW	10.1	1,350	349	S	11.9	1,350	7	S	19.6
1,530	1	S	8.8	1,530	50	SW	11.1	1,530	354	S	11.7	1,530	12	SSW	16.4
1,710	6	S	9.3	1,710	49	SW	11.2	1,710	351	S	11.7	1,710	18	SSW	13.1
1,890	13	SSW	9.2	1,890	42	SW	14.3	1,890	346	SSE	11.6	1,890	25	SSW	10.9
2,070	22	SSW	9.7	2,070	36	SW	16.3	2,070	349	S	11.2	2,070	32	SSW	8.4
2,250	32	SSW	10.8	2,250	36	SW	16.3	2,250	353	S	11.7	2,250	36	SW	7.7
2,430	42	SW	11.4	2,430	36	SW	14.3	2,430	347	SSE	6.3	2,430	30	SSW	8.6
2,610	47	SW	11.8	2,610	36	SW	12.6	2,610	346	SSE	8.0	2,610	25	SSW	10.3
2,790	47	SW	12.7	2,610	38	SW	13.8	2,790	341	SSE	10.4	2,790	23	SSW	11.4
2,970	46	SW	13.3	2,790	38	SW	15.3	2,970	342	SSE	11.7	2,970	23	SSW	11.4
3,150	44	SW	15.3	2,970	37	SW	16.2	3,150	349	S	11.9				
3,330	46	SW	18.5	3,150	36	SW	18.3	3,330	354	S	11.7				
3,510	51	SW	20.8	3,330	37	SW	20.4	3,510	351	S	11.7				
3,690	54	SW	21.5	3,510	40	SW	21.8	3,690	346	SSE	11.6				
3,870	56	SW	22.5	3,690	43	SW	25.2	3,870	349	S	11.2				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind				
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	
No. 314—Continued				No. 315—Continued				No. 317—Continued				No. 319. No. 22, 1929; 21h 25m. Clouds: 7 CiSt NW, 3 St. Vis.: 4. Mod. snow				
3,150	25	SSW	11.3	6,030	70	WSW	9.5	5,850	125	NW	11.0	Surface	286	ESE	4.9	
3,330	30	SSW	11.4	6,210	68	WSW	10.5	6,030	116	WNW	11.8	216	256	ENE	5.0	
3,510	35	SW	11.3	6,390	71	WSW	12.6	6,210	109	WNW	13.3	414	218	NE	2.9	
3,690	33	SSW	10.8	6,570	75	WSW	12.7	6,390	108	WNW	14.5	612	195	NNE	2.6	
3,870	26	SSW	10.1	6,750	76	WSW	12.0	6,570	109	WNW	14.2	801	201	NNE	1.6	
4,050	23	SSW	10.0	6,930	75	WSW	12.4	6,750	111	WNW	13.0	990	322	SE	0.2	
4,230	25	SSW	11.3	7,110	76	WSW	13.3	6,930	116	WNW	11.5	1,170	72	WSW	0.8	
4,410	25	SSW	12.3	7,290	76	WSW	13.7	7,110	128	NW	11.0	1,350	86	W	1.1	
4,590	28	SSW	12.3	Disappearance: Behind ane- mometer support.				7,290	131	NW	10.4	1,530	90	W	1.3	
4,770	30	SSW	12.6	No. 316. Nov. 20, 1929; 17h 32m. Clouds: 6 St NW. Vis.: 9				7,470	121	WNW	8.4	1,710	94	W	1.2	
4,950	32	SSW	13.0	Surface	293	ESE	1.3	7,650	117	WNW	8.0	1,890	116	WNW	0.8	
5,130	35	SW	12.8	216	124	NW	3.3	7,830	117	WNW	9.8	2,070	203	NNE	0.3	
5,310	37	SW	13.8	414	144	NW	6.0	8,010	117	WNW	10.0	2,250	309	SE	0.6	
5,490	37	SW	16.8	612	138	NW	7.2	8,190	115	WNW	9.6	2,430	306	SE	0.7	
5,670	35	SW	18.0	801	122	WNW	5.6	8,370	120	WNW	9.0	2,610	262	E	1.0	
5,850	34	SW	18.5	990	109	WNW	5.1	8,550	129	NW	6.2	2,790	161	NNW	1.6	
6,030	37	SW	19.6	1,170	114	WNW	5.3	8,730	125	NW	8.0	2,970	139	NW	4.5	
6,210	40	SW	18.8	1,350	134	NW	5.3	8,910	123	WNW	9.0	3,150	132	NW	6.8	
6,390	39	SW	16.9	1,530	145	NW	5.8	9,090	124	NW	8.0	3,330	128	NW	9.0	
6,570	38	SW	16.1	1,710	139	NW	5.3	9,270	116	WNW	7.0	3,510	129	NW	10.6	
6,750	42	SW	15.7	1,890	130	NW	5.3	9,450	120	WNW	7.8	3,690	128	NW	11.2	
6,930	45	SW	16.5	2,070	131	NW	6.9	9,630	122	WNW	9.4	3,870	131	NW	11.0	
7,110	40	SW	17.8	2,250	132	NW	8.9	9,810	117	WNW	11.0	4,050	132	NW	12.0	
7,290	36	SW	19.3	2,430	132	NW	9.6	9,990	116	WNW	11.0	4,230	130	NW	12.3	
7,470	39	SW	18.1	Disappearance: Behind St.				10,170	118	WNW	10.2	4,410	128	NW	12.5	
7,650	38	SW	17.4	No. 317. Nov. 21, 1929; 8h 51m. Clouds: 2 StCu NW. Vis.: 8				10,350	116	WNW	9.0	4,590	127	NW	13.3	
7,830	40	SW	18.5	Surface	45	SW	4.0	10,530	118	WNW	8.0	Disappearance: Entered CiSt, 4,590 m.				
8,010	41	SW	19.2	216	73	WSW	4.8	10,710	124	NW	6.8	No. 320. Nov. 23, 1929; 8h 09m. Clouds: Few Ci (W?), 1 Cu WSW. Vis.: 9				
8,190	37	SW	20.0	414	132	NW	5.7	10,890	124	NW	9.0	Surface	18	SSW	2.2	
8,370	39	SW	18.8	612	170	N	7.4	11,070	118	WNW	12.4	216	329	SSE	3.8	
8,550	42	SW	16.1	801	167	NNW	7.7	11,250	115	WNW	13.8	414	3	S	2.9	
Disappearance: Distance.				990	167	NNW	7.1	11,430	121	WNW	11.0	612	43	SW	2.5	
No. 315. Nov. 20, 1929; 12h 27m. Clouds: Few Ci (WSW?). Vis.: 9	1,170	159	NNW	7.5	11,610	120	WNW	11.0	801	67	WSW	3.4	990	70	WSW	4.1
Surface	33	SSW	1.8	1,350	152	NNW	9.0	12,150	117	WNW	13.8	1,170	71	WSW	4.4	
216	84	W	3.2	1,530	149	NNW	8.0	12,330	115	WNW	12.8	1,350	73	WSW	5.0	
414	103	WNW	5.2	1,710	144	NW	7.3	12,510	112	WNW	9.0	1,530	74	WSW	5.7	
612	108	WNW	5.9	1,890	136	NW	6.5	12,690	114	WNW	7.8	1,710	78	WSW	6.0	
801	111	WNW	5.0	2,070	131	NW	5.9	12,870	111	WNW	11.4	1,890	75	WSW	7.2	
990	113	WNW	3.4	2,250	130	NW	6.1	13,050	105	WNW	16.4	2,070	75	WSW	7.3	
1,170	90	W	2.2	2,430	132	NW	6.0	13,230	100	W	16.0	2,250	82	W	6.4	
1,350	67	WSW	3.1	2,610	136	NW	6.0	13,410	98	W	13.6	2,430	86	W	6.9	
1,530	73	WSW	3.4	2,790	137	NW	6.6	Disappearance: Distance.				2,610	82	W	7.8	
1,710	76	WSW	3.9	2,970	138	NW	7.1	No. 318. Nov. 22, 1929; 8h 19m. Clouds: 1 Ci WNW, 1 St W. Vis.: 9	2,790	71	WSW	7.8				
1,890	66	WSW	4.6	3,150	142	NW	7.2	Surface	264	E	1.3	2,970	67	WSW	7.8	
2,070	56	SW	5.0	3,330	145	NW	7.2	216	89	W	6.8	3,150	66	WSW	6.9	
2,250	63	WSW	5.5	3,510	145	NW	7.7	414	96	W	10.4	3,330	68	WSW	5.6	
2,430	70	WSW	5.9	3,690	147	NNW	8.1	612	99	W	11.0	3,510	68	WSW	4.6	
2,610	71	WSW	6.7	3,870	146	NW	7.1	801	91	W	11.5	3,690	59	WSW	4.6	
2,790	69	WSW	7.4	4,050	138	NW	6.1	990	89	W	13.9	3,870	53	SW	5.5	
2,970	70	WSW	7.5	4,230	137	NW	6.2	1,170	91	W	16.9	4,050	56	SW	6.6	
3,150	70	WSW	8.0	4,410	131	NW	6.8	1,350	90	W	18.7	4,230	62	WSW	7.8	
3,330	71	WSW	8.3	4,590	122	WNW	7.3	1,530	88	W	20.5	4,410	61	WSW	9.4	
3,510	71	WSW	8.7	4,770	124	NW	8.3	1,710	90	W	20.6	4,590	59	WSW	10.3	
3,690	68	WSW	8.9	4,950	129	NW	9.0	1,890	93	W	19.1	4,770	62	WSW	11.5	
3,870	68	WSW	8.4	5,130	139	NW	6.5	2,070	96	W	19.3	4,950	64	WSW	12.7	
4,050	66	WSW	6.7	5,310	130	NW	6.3	2,250	98	W	20.2	5,130	67	WSW	13.8	
4,230	53	SW	5.5	5,490	130	NW	6.3	2,430	99	W	19.3	5,310	70	WSW	14.9	
4,410	51	SW	5.4	5,670	128	NW	9.0	2,610	100	W	19.5	5,490	76	WSW	14.4	
4,590	63	WSW	6.6	Disappearance: Distance.				2,790	101	W	19.0	5,670	77	WSW	15.2	
4,770	63	WSW	8.3					2,970	100	W	18.2	5,850	76	WSW	16.7	
4,950	57	WSW	9.2					3,150	99	W	18.4	6,030	76	WSW	18.5	
5,130	58	WSW	8.1					3,330	100	W	18.4	6,210	75	WSW	19.6	
5,310	58	WSW	6.1									6,390	71	WSW	19.5	
5,490	68	WSW	6.0													
5,670	80	W	6.8													
5,850	79	W	8.4													

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 320—Continued				No. 323. Nov. 24, 1929; 22h 09m. Clouds: 4 ACu SW, 3 StCu WSW, 2 St W. Vis.: 6				No. 325. Nov. 26, 1929; 13h 44m. Clouds: 8 StCu SE. Vis.: 8				No. 326—Continued			
6,570	70	WSW	18.2	Surface	289	ESE	2.2	Surface	13	SSW	5.8	7,830	63	WSW	4.7
6,750	76	WSW	18.0	216	124	NW	1.7	216	9	S	7.8	8,010	63	WSW	6.4
6,930	80	W	19.5	414	98	W	3.4	414	2	S	6.4	8,190	55	SW	6.0
7,110	80	W	18.8	612	66	WSW	2.2	612	343	SSE	6.0	8,370	52	SW	5.3
7,290	82	W	18.1	801	71	WSW	1.9	801	320	SE	7.4	8,550	60	WSW	6.4
7,470	86	W	18.8	990	70	WSW	1.6	990	312	SE	8.4	8,730	58	WSW	6.8
7,650	80	W	18.9	1,170	62	WSW	1.8	1,170	315	SE	8.8	8,910	60	WSW	5.6
7,830	78	WSW	19.2	1,350	59	WSW	2.3	1,350	315	SE	8.4	9,090	69	WSW	4.8
8,010	80	W	16.3	1,530	60	WSW	2.7	1,530	308	SE	8.5	9,270	62	WSW	6.2
8,190	77	WSW	13.0	1,710	65	WSW	3.2	1,710	304	SE	9.2	9,450	62	WSW	6.7
Disappearance: Distance.				1,890	74	WSW	3.5	1,890	304	SE	9.7	9,630	66	WSW	6.6
No. 321. Nov. 23, 1929; 16h 12 m. Clouds: 2 ACu WSW. Vis.: 9				2,070	85	W	4.4	2,070	306	SE	10.3	¹ Lenticular patches.			
Surface	Calm	-----	Calm	2,250	64	WSW	5.7	2,250	306	SE	10.3	Disappearance: Bursting.			
216	49	SW	2.0	2,430	43	SW	7.2	Disappearance: Entered StCu, 2,250 m.				No. 327. Nov. 27, 1929; 9h 46m. Clouds: 5 ACu W, 4 StCu (NE). Vis.: 6. Lt. drift			
414	71	WSW	3.4	2,610	40	SW	7.4	No. 326. Nov. 26, 1929; 22h 23m. Clouds: 2 ASt S. ¹ Vis.: 9				Surface	270	E	6.7
612	72	WSW	4.9	2,790	40	SW	7.7	Surface	12	SSW	2.7	216	268	E	10.3
801	74	WSW	5.9	3,150	38	SW	8.9	216	330	SSE	4.6	414	258	ENE	7.4
990	80	W	6.5	3,330	36	SW	9.6	414	322	SE	6.0	612	241	ENE	4.0
1,170	83	W	7.2	Disappearance: Behind St.				612	332	SSE	6.3	801	235	NE	2.0
1,350	74	WSW	6.6	No. 324. Nov. 25, 1929; 13h 50m. Clouds: 1 StCu W. Vis.: 8				801	350	S	6.8	990	161	NNW	0.3
1,530	62	WSW	7.1	Surface	103	WNW	4.5	990	8	S	8.5	1,170	83	W	1.8
1,710	60	WSW	7.8	216	90	W	8.2	1,170	16	SSW	9.1	1,350	82	W	1.7
1,890	63	WSW	7.9	414	84	W	11.2	1,350	14	SSW	10.3	1,530	98	W	1.0
2,070	68	WSW	8.4	612	84	W	14.7	1,530	14	SSW	11.2	1,710	109	WNW	1.0
2,250	79	W	9.3	801	85	W	17.2	1,710	16	SSW	10.3	1,890	99	W	1.6
2,430	90	W	10.6	990	89	W	16.2	1,890	18	SSW	10.3	2,070	97	W	2.3
2,610	92	W	10.6	1,170	94	W	14.4	2,070	18	SSW	10.5	2,250	108	WNW	3.6
2,790	87	W	9.6	1,350	93	W	13.5	2,250	11	S	9.8	2,430	109	WNW	3.8
2,970	84	W	10.0	1,530	85	W	13.1	2,430	5	S	9.0	2,610	96	W	3.2
3,150	79	W	12.5	1,710	82	W	14.2	2,610	359	S	9.2	2,790	94	W	3.0
3,330	74	WSW	14.3	1,890	82	W	15.9	2,790	352	S	9.5	Disappearance: Entered ACu, 2,790 m.			
3,510	74	WSW	14.5	2,070	76	WSW	17.3	2,970	351	S	9.3	No. 328. Nov. 27, 1929; 19h 16m. Clouds: 7 ACu SW. Vis.: 6			
3,690	75	WSW	14.7	2,250	72	WSW	17.8	3,150	352	S	9.0	Surface	288	ESE	5.4
Disappearance: Behind ane- nometer support.				2,430	70	WSW	18.3	3,330	347	SSE	8.8	216	279	E	11.4
No. 322. Nov. 24, 1929; 11h 06m. Clouds: 10 StCu WNW. Vis.: 5. Lt. surface drift				2,610	72	WSW	19.5	3,510	349	S	8.2	414	270	E	10.9
Surface	275	E	7.1	2,790	73	WSW	20.8	3,690	351	S	8.5	612	263	E	9.3
216	253	ENE	4.4	3,150	72	WSW	19.4	3,870	352	S	8.8	801	247	ENE	7.7
414	190	N	2.2	3,330	69	WSW	18.7	4,050	354	S	7.7	990	237	ENE	6.8
612	190	N	2.1	3,510	69	WSW	19.8	4,230	354	S	6.1	1,170	246	ENE	4.0
801	183	N	2.5	3,690	69	WSW	20.9	4,410	2	S	5.3	1,350	282	ESE	2.1
990	180	N	3.2	3,870	68	WSW	20.7	4,590	14	SSW	5.2	1,530	293	ESE	3.0
1,170	183	N	3.4	4,050	67	WSW	22.2	4,770	17	SSW	6.0	1,710	293	ESE	3.8
1,350	186	N	3.5	4,230	68	WSW	23.5	4,950	16	SSW	6.3	1,890	313	SE	2.5
1,530	187	N	2.1	4,410	69	WSW	21.9	5,130	20	SSW	5.9	2,070	348	SSE	2.2
1,710	27	SSW	0.4	4,590	69	WSW	21.4	5,310	35	SW	5.5	2,250	343	SSE	0.9
1,890	24	SSW	2.7	4,770	66	WSW	23.2	5,490	50	SW	5.7	2,430	28	SSW	0.7
2,070	44	SW	3.3	4,950	65	WSW	22.7	5,670	47	SW	5.9	2,505	37	SW	0.5
2,250	92	W	4.3	5,130	62	WSW	23.5	5,850	35	SW	5.9	Disappearance: Entered ACu, 2,505 m.			
2,430	112	WNW	6.5	5,310	60	WSW	23.8	6,030	26	SSW	6.0				
2,520	120	WNW	8.0	5,490	61	WSW	24.3	6,210	21	SSW	6.6				
Disappearance: Entered StCu, 2,520 m.				5,670	61	WSW	25.0	6,390	15	SSW	6.8				
				5,850	61	WSW	24.8	6,570	14	SSW	5.5				
				6,030	58	WSW	24.2	6,750	18	SSW	5.4				
				Disappearance: Distance. Surface wind gusty.				6,930	18	SSW	5.2				
								7,110	21	SSW	3.8				
								7,290	27	SSW	4.0				
								7,470	30	SSW	4.3				
								7,650	42	SW	3.7				

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Cu,

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind				
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	
No. 337—Continued				No. 338—Continued				No. 340—Continued				No. 341—Continued				
612	309	SE	2.5	5,490	202	NNE	19.7	4,950	254	ENE	9.4	6,390	217	NE	13.8	
801	315	SE	2.5	5,670	198	NNE	20.0	5,130	249	ENE	12.0	6,570	219	NE	13.9	
990	333	SSE	1.9	5,850	193	NNE	21.6	5,310	246	ENE	12.2	6,750	217	NE	13.4	
1,170	343	SSE	1.9	6,030	193	NNE	23.9	5,490	241	ENE	12.2	6,930	217	NE	12.7	
1,350	344	SSE	2.4	6,210	196	NNE	25.0	5,670	239	ENE	12.6	7,110	213	NNE	12.2	
1,530	356	S	2.8	6,390	197	NNE	26.0	5,850	235	NE	12.3	7,290	210	NNE	12.3	
1,710	354	S	3.2	6,570	199	NNE	26.9	6,030	232	NE	10.2	7,470	208	NNE	12.3	
1,890	342	SSE	3.8	6,750	201	NNE	27.0	6,210	231	NE	9.5	7,650	205	NNE	11.0	
2,070	346	SSE	4.2	6,930	202	NNE	27.0	6,390	229	NE	8.4	7,830	207	NNE	9.0	
2,250	351	S	4.0	7,110	203	NNE	26.5	6,570	224	NE	8.1	8,010	218	NE	7.8	
2,430	343	SSE	3.8	Disappearance: Against Ci.				6,750	222	NE	8.4	8,190	224	NE	8.6	
2,610	339	SSE	3.7	No. 339. Dec. 3, 1929; 22h				6,930	225	NE	8.8	8,370	219	NE	9.9	
2,790	343	SSE	4.7	05m. Clouds: 10 AST ENE.				7,110	226	NE	9.3	8,550	217	NE	9.4	
2,970	328	SSE	5.5	Vis.: 7				7,290	230	NE	9.3	8,730	208	NNE	8.5	
3,150	310	SE	5.4	Surface	13	SSW	1.8	7,470	230	NE	8.8	8,910	199	NNE	8.5	
3,330	308	SE	3.9	216	313	SE	6.9	7,650	234	NE	7.9	9,090	196	NNE	9.3	
3,510	315	SE	3.3	414	298	ESE	11.6	7,830	241	ENE	8.0	9,270	196	NNE	7.6	
3,690	322	SE	3.5	612	290	ESE	9.9	8,010	241	ENE	8.8	9,450	196	NNE	6.2	
3,870	311	SE	4.2	801	277	E	7.2	8,190	236	NE	8.6	9,630	198	NNE	6.6	
4,050	298	ESE	4.8	990	272	E	6.8	8,370	237	ENE	9.0	9,810	209	NNE	7.7	
4,230	303	ESE	4.6	1,170	271	E	7.0	8,550	237	ENE	8.4	9,990	204	NNE	5.8	
4,410	310	SE	4.4	1,350	269	E	7.5	8,730	234	NE	8.8	10,170	211	NNE	3.2	
4,590	303	ESE	4.2	1,530	273	E	8.1	8,910	233	NE	10.4	10,350	249	ENE	2.8	
4,770	293	ESE	4.6	1,710	273	E	7.6	9,090	237	ENE	10.9	Disappearance: Bursting.				
4,950	289	ESE	4.9	1,890	278	E	7.1	9,270	247	ENE	10.0	No. 342. Dec. 5, 1929; 9h 08m.				
5,130	288	ESE	4.8	2,070	284	ESE	7.5	9,450	246	ENE	10.0	Clouds: Few AST NNE				
5,310	293	ESE	4.4	2,250	276	E	7.9	9,630	238	ENE	10.3	Surface	48	SW	2.7	
5,490	299	ESE	4.2	2,430	270	E	7.8	9,810	232	NE	10.5	216	30	SSW	6.5	
5,670	307	SE	4.2	2,610	264	E	7.5	Disappearance: Distance.			414	33	SSW	7.7		
5,850	308	SE	4.5	2,790	257	ENE	7.8	No. 341. Dec. 4, 1929; 22h			612	42	SW	8.4		
6,030	295	ESE	4.9	Disappearance: Entered AST,			2,790 m.	05m. Clouds: Few Ci (NE?),			801	46	SW	8.6		
6,210	289	ESE	5.1	No. 340. Dec. 4, 1929; 10h				Few ACu NE. Vis.: 9			990	48	SW	9.5		
6,390	289	ESE	5.0	18m. Clouds: 3 Ci ENE, 3			CiSt ENE. Vis.: 8	Surface	47	SW	1.8	1,170	51	SW	11.4	
Disappearance: Bursting.				Disappearance: Entered AST,				216	29	SSW	6.4	1,350	52	SW	13.0	
No. 338. Dec. 3, 1929; 13h				2,790 m.			No. 340. Dec. 4, 1929; 10h	414	32	SSW	7.3	1,530	52	SW	11.8	
14m. Clouds: 7 CiSt NNE.				18m. Clouds: 3 Ci ENE, 3				612	37	SW	6.1	1,710	52	SW	8.7	
Vis.: 9				CiSt ENE. Vis.: 8			Surface	801	44	SW	4.3	1,890	53	SW	10.3	
Surface	357	S	3.1	Surface				990	44	SW	5.1	2,070	58	WSW	10.2	
216	334	SSE	3.3	216	283	ESE	4.0	1,170	45	SW	6.5	2,250	60	WSW	9.8	
414	322	SE	4.3	414	316	SE	4.9	1,350	44	SW	7.2	2,430	62	WSW	7.8	
612	316	SE	4.8	612	21	SSW	3.9	1,530	41	SW	7.4	2,610	75	WSW	4.3	
801	307	SE	4.2	801	20	SSW	3.1	1,710	45	SW	6.3	2,790	102	WNW	1.8	
990	297	ESE	3.4	990	0	S	2.6	1,890	59	WSW	4.2	2,970	161	NNW	5.0	
1,170	290	ESE	3.2	1,170	336	SSE	1.4	2,070	77	WSW	1.9	3,150	170	N	7.7	
1,350	278	E	3.5	1,350	168	NNW	1.5	2,250	246	ENE	.9	3,330	184	N	6.3	
1,530	269	E	3.2	1,530	167	NNW	4.0	2,430	256	ENE	2.2	3,510	191	N	6.2	
1,710	292	ESE	3.6	1,710	183	N	5.2	2,610	276	E	1.8	3,690	202	NNE	6.4	
1,890	304	SE	4.9	1,890	202	NNE	5.0	2,790	275	E	3.0	3,870	206	NNE	6.6	
2,070	299	ESE	4.1	2,070	221	NE	5.7	2,970	255	ENE	4.3	4,050	206	NNE	6.7	
2,250	280	E	3.8	2,250	231	NE	7.7	3,150	242	ENE	3.6	4,230	203	NNE	8.1	
2,430	257	ENE	3.5	2,430	233	NE	9.4	3,330	218	NE	4.3	4,410	201	NNE	9.7	
2,610	256	ENE	3.0	2,610	233	NE	9.3	3,510	219	NE	7.2	4,590	203	NNE	9.8	
2,790	286	ESE	3.5	2,790	215	NE	7.5	3,690	228	NE	7.0	4,770	199	NNE	10.9	
2,970	301	ESE	3.4	3,150	198	NNE	7.7	3,870	231	NE	6.0	4,950	197	NNE	12.2	
3,150	283	ESE	3.6	3,330	228	NE	8.3	4,050	231	NE	6.7	5,130	194	NNE	11.8	
3,330	259	E	5.4	3,510	238	ENE	9.4	4,230	233	NE	7.9	5,310	193	NNE	12.0	
3,510	243	ENE	7.1	3,690	241	ENE	8.4	4,410	233	NE	9.0	5,490	197	NNE	11.9	
3,690	231	NE	7.5	4,050	250	ENE	6.5	4,590	232	NE	10.1	5,670	200	NNE	11.5	
3,870	216	NE	8.5	4,230	260	E	7.8	4,770	228	NE	11.5	5,850	198	NNE	11.6	
4,050	210	NNE	9.5	4,410	257	ENE	9.3	4,950	223	NE	12.4	6,030	196	NNE	12.2	
4,230	198	NNE	9.4	4,590	256	ENE	9.6	5,130	219	NE	13.0	6,210	195	NNE	12.8	
4,410	187	N	11.2	4,770	253	ENE	9.2	5,310	213	NNE	13.7	6,390	194	NNE	13.0	
4,590	189	N	14.0	Disappearance: Entered AST,			2,790 m.	5,490	211	NNE	13.8	6,570	192	NNE	13.2	
4,770	197	NNE	17.3	18m. Clouds: 3 Ci ENE, 3				5,670	212	NNE	13.9	6,750	194	NNE	13.7	
4,950	203	NNE	19.4	CiSt ENE. Vis.: 8				5,850	215	NE	14.0	6,930	195	NNE	14.5	
5,130	205	NNE	21.0	Disappearance: Entered AST,			2,790 m.	6,030	216	NE	14.2	7,110	195	NNE	14.5	
5,310	204	NNE	21.1	18m. Clouds: 3 Ci ENE, 3				6,210	217	NE	13.9	7,290	198	NNE	14.6	
				CiSt ENE. Vis.: 8												

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 342—Continued				No. 344—Continued				No. 345—Continued				No. 246—Continued			
7,470	199	NNE	15.0	1,170	119	WNW	2.2	5,850	133	NW	12.6	8,190	88	W	22.8
7,650	198	NNE	15.0	1,350	198	NNE	2.8	6,030	134	NW	12.7	8,370	86	W	21.8
7,830	199	NNE	15.0	1,530	192	NNE	3.6	6,210	136	NW	12.9	Disappearance: Distance.			
8,010	195	NNE	13.5	1,710	177	N	4.5	6,390	138	NW	13.8	No. 347. Dec. 7, 1929; 20h 54m.			
8,190	189	N	13.9	1,890	161	NNW	5.1	6,570	138	NW	14.5	Clouds: 1 Ci W. Vis.: 8			
8,370	186	N	14.7	2,070	150	NNW	5.0	6,750	132	NW	14.5	Surface	308	SE	1.3
8,550	183	N	14.0	2,250	136	NW	5.2	6,930	129	NW	15.5	216	26	SSW	3.2
8,730	184	N	12.7	2,430	125	NW	6.0	7,110	132	NW	16.7	414	48	SW	4.5
8,910	184	N	12.0	2,610	120	WNW	6.9	7,290	130	NW	16.9	612	58	WSW	4.7
9,090	183	N	11.5	2,790	124	NW	7.5	7,470	127	NW	16.5	801	63	WSW	4.4
9,270	182	N	10.6	2,970	126	NW	8.1	7,650	129	NW	16.7	990	62	WSW	5.1
9,450	182	N	10.8	3,150	130	NW	8.2	7,830	130	NW	16.5	1,170	53	SW	6.2
9,630	184	N	10.2	3,330	134	NW	8.3	8,010	134	NW	16.0	1,350	40	SW	6.5
9,810	175	N	9.8	3,510	136	NW	8.8	8,190	133	NW	16.0	1,530	33	SSW	7.0
9,990	160	NNW	8.0	3,690	137	NW	9.8	8,370	130	NW	15.5	1,710	36	SW	7.0
10,170	168	NNW	6.1	3,870	140	NW	10.9	8,550	130	NW	15.6	1,890	36	SW	6.2
10,350	170	N	6.0	4,050	143	NW	11.5	8,730	130	NW	14.2	2,070	44	SW	5.8
10,530	335	SSE	2.0	4,230	146	NW	12.2	8,910	133	NW	11.8	2,250	56	SW	5.8
10,710	335	SSE	2.5	4,410	147	NNW	13.7	9,090	136	NW	12.5	2,430	71	WSW	5.8
10,890	328	SSE	3.5	4,590	147	NNW	15.6	Disappearance: Distance.				2,610	75	WSW	5.8
Disappearance: Bursting.				4,770	150	NNW	16.8	No. 346. Dec. 7, 1929; 9h.				2,790	69	WSW	6.2
No. 343. Dec. 5, 1929; 21h 36m.				4,950	153	NNW	18.4	Clouds: Few Ci W, Few St				2,970	68	WSW	7.3
Clouds: 4 ACu NW, Few St				5,130	154	NNW	21.2	SW. Vis.: 8				3,150	72	WSW	8.6
WSW. Vis.: 8				5,310	156	NNW	24.0	Surface	57	WSW	2.2	3,330	74	WSW	9.4
Surface	25	SSW	2.7	5,490	159	NNW	24.7	216	50	SW	3.2	3,510	75	WSW	11.2
216	56	SW	4.7	5,670	161	NNW	24.6	414	42	SW	3.8	3,690	79	W	12.3
414	68	WSW	6.4	5,850	160	NNW	24.5	612	34	SW	4.5	3,870	82	W	12.3
612	75	WSW	6.8	6,030	162	NNW	26.5	801	34	SW	5.4	4,050	82	W	13.2
801	68	WSW	7.0	6,210	164	NNW	28.5	990	37	SW	5.4	4,230	82	W	14.9
990	64	WSW	7.2	6,390	165	NNW	29.4	1,170	35	SW	5.2	4,410	84	W	16.4
1,170	74	WSW	6.8	6,570	165	NNW	30.9	1,350	36	SW	5.4	4,590	84	W	18.3
1,350	81	W	6.2	6,750	165	NNW	31.5	1,530	46	SW	5.4	4,770	83	W	19.2
1,530	85	W	5.7	Disappearance: Distance.				1,710	48	SW	5.5	4,950	84	W	19.4
1,710	84	W	5.6	No. 345. Dec. 6, 1929; 21h				1,890	51	SW	5.7	5,130	84	W	22.2
1,890	92	W	4.9	43m. Clouds: Few StCu				2,070	61	WSW	5.2	5,310	84	W	24.9
2,070	120	WNW	4.2	(W?). Vis.: 9				2,250	67	WSW	5.9	5,490	83	W	26.4
2,250	134	NW	4.7	Surface	262	E	2.2	2,430	75	WSW	6.4	5,670	82	W	29.0
2,430	131	NW	5.4	216	185	N	2.7	2,610	80	W	6.8	5,850	84	W	30.0
2,610	135	NW	7.0	414	136	NW	4.7	2,790	84	W	6.7	6,030	86	W	29.8
2,790	141	NW	7.9	612	131	NW	5.2	2,970	87	W	7.0	6,210	88	W	29.0
2,970	138	NW	7.5	801	141	NW	5.4	3,150	90	W	7.4	6,390	88	W	29.0
3,150	128	NW	7.7	990	144	NW	4.5	3,330	92	W	8.6	6,570	87	W	30.8
3,330	140	NW	7.5	1,170	143	NW	2.7	3,510	93	W	9.8	6,750	86	W	31.2
3,510	164	NNW	9.3	1,350	96	W	0.8	3,690	90	W	10.5	6,930	86	W	31.4
3,690	170	N	10.9	1,530	70	WSW	1.3	3,870	91	W	11.0	7,110	85	W	31.0
3,870	171	N	11.3	1,710	98	W	1.6	4,050	92	W	12.8	7,290	85	W	32.8
4,050	170	N	12.4	1,890	107	WNW	1.6	4,230	94	W	13.1	7,470	87	W	35.2
4,230	165	NNW	12.9	2,070	100	W	1.2	4,410	97	W	13.3	7,650	87	W	37.5
4,410	163	NNW	12.6	2,250	82	W	1.2	4,590	96	W	13.9	7,830	87	W	42.0
4,590	168	NNW	13.7	2,430	92	W	1.9	4,770	94	W	13.0	Disappearance: Distance.			
4,770	171	N	15.8	2,610	110	WNW	2.3	4,950	93	W	13.5	No. 348. Dec. 8, 1929; 9h 38m.			
4,950	174	N	16.8	2,790	125	NW	2.6	5,130	92	W	14.3	Clouds: 1 CiSt W, 8 StCu W.			
5,130	174	N	16.8	2,970	125	NW	4.0	5,310	90	W	15.4	Vis.: 6			
Disappearance: Local smoke.				3,150	129	NW	5.3	5,490	92	W	17.8	Surface	254	ENE	4.0
No. 344. Dec. 6, 1929; 8h 19m.				3,330	128	NW	6.1	5,670	93	W	18.6	216	251	ENE	1.7
Clouds: Few ASt NNW, 1				3,510	125	NW	7.0	5,850	93	W	20.0	414	66	WSW	1.0
StCu WSW. Vis.: 9				3,690	128	NW	7.9	6,030	91	W	22.0	612	66	WSW	3.6
Surface	20	SSW	1.8	3,870	127	NW	8.5	6,210	90	W	22.5	801	71	WSW	5.6
216	23	SSW	4.3	4,050	130	NW	8.9	6,390	90	W	23.8	990	78	WSW	6.0
414	51	SW	6.4	4,230	133	NW	9.3	6,570	90	W	23.8	1,170	83	W	11.1
612	68	WSW	8.0	4,410	128	NW	9.6	6,750	92	W	23.5	Disappearance: StCu, 1,170 m.			
801	81	W	7.9	4,590	123	WNW	10.5	6,930	93	W	24.5	Balloon entered cloud base at			
990	85	W	6.1	4,770	124	NW	10.6	7,110	93	W	23.4	943 m.			
				4,950	127	NW	10.7	7,290	90	W	23.5				
				5,130	128	NW	11.0	7,470	88	W	23.8				
				5,310	128	NW	11.5	7,650	89	W	22.6				
				5,490	129	NW	12.8	7,830	91	W	22.0				
				5,670	132	NW	13.0	8,010	90	W	22.6				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 349. Dec. 9, 1929; 14h 30m. Clouds: Few ASW. Vis.: 9			
Surface	65	WSW	2.2
216	53	SW	3.0
414	63	WSW	4.3
612	72	WSW	5.0
801	77	WSW	5.2
990	77	WSW	5.5
1,170	72	WSW	5.5
1,350	64	WSW	6.0
1,530	59	WSW	6.4
1,710	49	SW	7.0
1,890	45	SW	8.0
2,070	50	SW	8.0
2,250	56	SW	7.4
2,430	61	WSW	6.9
2,610	64	WSW	7.6
2,790	62	WSW	8.9
2,970	64	WSW	10.4
3,150	66	WSW	11.5
3,330	66	WSW	13.4
3,510	66	WSW	14.5
3,690	65	WSW	15.0
3,870	66	WSW	16.3
4,050	66	WSW	18.9
4,230	66	WSW	21.0
4,410	68	WSW	23.2
4,590	69	WSW	25.8
4,770	68	WSW	27.5
4,950	70	WSW	29.4
5,130	71	WSW	33.6
5,310	70	WSW	36.0
Disappearance: Local smoke.			
No. 350. Dec. 9, 1929; 21h 13m. Clouds: Few ASW WSW, Few St SW. Vis.: 9			
Surface	15	SSW	2.2
216	29	SSW	4.5
414	49	SW	5.1
612	47	SW	5.6
801	64	WSW	5.5
990	78	WSW	5.5
1,170	75	WSW	5.7
1,350	71	WSW	6.2
1,530	77	WSW	6.9
1,710	79	W	7.5
1,890	68	WSW	7.5
2,070	66	WSW	8.2
2,250	72	WSW	8.5
2,430	72	WSW	8.2
2,610	73	WSW	8.4
2,790	75	WSW	9.2
2,970	72	WSW	9.9
3,150	72	WSW	11.0
3,330	74	WSW	11.8
3,510	73	WSW	12.2
3,690	71	WSW	13.7
3,870	71	WSW	15.2
4,050	69	WSW	15.5
4,230	71	WSW	15.5
4,410	71	WSW	17.4
4,590	72	WSW	20.3
4,770	74	WSW	21.3
4,950	77	WSW	21.6
5,130	79	W	22.5
5,310	78	WSW	23.2
Disappearance: Local smoke.			

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 351. Dec. 10, 1929; 9h 39m. Clouds: 9 St E. Vis.: 6			
Surface	280	E	5.8
216	268	E	7.6
414	262	E	4.0
546	269	E	1.5
Disappearance: Entered St, 546 m.			
No. 352. Dec. 10, 1929; 15h 43m. Clouds: 1 CiSt (NW?), 7 StCu WNW. Vis.: 6			
Surface	283	ESE	2.2
216	283	ESE	9.7
414	306	SE	6.0
612	345	SSE	3.3
801	76	WSW	1.1
990	120	WNW	2.1
1,170	133	NW	3.8
1,350	126	NW	4.0
1,440	118	WNW	3.2
Disappearance: Entered St Cu, 1,440 m.			
No. 353. Dec. 11, 1929; 11h 23m. Clouds: 8 ACu S. Vis.: 7			
Surface	20	SSW	5.4
216	7	S	5.1
414	5	S	5.9
612	355	S	7.3
801	350	S	8.2
990	350	S	7.8
1,170	342	SSE	6.4
1,350	339	SSE	7.0
1,530	342	SSE	7.4
1,710	358	S	6.8
1,890	12	SSW	7.4
2,070	13	SSW	7.5
2,250	16	SSW	7.3
2,430	14	SSW	6.8
2,610	11	S	6.5
2,790	8	S	6.5
Disappearance: Entered ACu, 2,790 m.			
No. 354. Dec. 11, 1929; 21h 51m. Clouds: 3 ACu S. Vis.: 8			
Surface	48	SW	4.0
216	29	SSW	9.0
414	22	SSW	10.7
612	24	SSW	10.9
801	28	SSW	11.9
990	30	SSW	12.0
1,170	33	SSW	11.3
1,350	34	SW	10.5
1,530	33	SSW	9.8
1,710	32	SSW	9.6
1,890	36	SW	9.4
2,070	38	SW	9.2
Disappearance: Entered ACu, 2,790 m.			

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 354—Continued			
2,250	34	SW	9.5
2,430	37	SW	9.7
2,610	43	SW	9.3
2,790	42	SW	9.3
2,970	33	SSW	9.5
3,150	21	SSW	7.7
3,330	5	S	5.4
3,510	8	S	4.9
Disappearance: Entered ACu, 3,510 m.			
No. 355. Dec. 12, 1929; 9h. Clouds: ASW, ACu SW. Vis.: 8			
Surface	65	WSW	1.8
216	44	SW	4.3
414	40	SW	4.3
612	14	SSW	5.4
801	13	SSW	7.9
990	28	SSW	8.7
1,170	43	SW	8.5
1,350	51	SW	7.9
1,530	52	SW	7.0
1,710	57	WSW	6.2
1,890	66	WSW	5.4
2,070	70	WSW	5.5
2,250	70	WSW	5.6
2,430	71	WSW	5.3
2,610	71	WSW	5.5
2,790	66	WSW	6.2
2,970	60	WSW	6.7
3,150	57	WSW	7.5
3,330	48	SW	8.3
3,510	42	SW	8.5
3,690	39	SW	9.0
3,870	42	SW	9.9
4,050	44	SW	10.2
4,230	42	SW	10.8
4,410	43	SW	11.5
4,590	44	SW	11.2
4,770	44	SW	11.0
4,950	41	SW	11.8
5,130	40	SW	13.7
5,310	41	SW	15.5
5,490	40	SW	16.2
5,670	38	SW	16.5
Disappearance: Local smoke.			
No. 356. Dec. 12, 1929; 22h. Clouds: 9 StCu W, Few Cu W. Vis.: 6			
Surface	143	NW	1.8
216	119	WNW	5.6
414	108	WNW	5.5
612	105	WNW	4.8
801	105	WNW	4.0
990	91	W	3.7
1,170	86	W	4.3
1,350	87	W	5.2
1,530	87	W	5.9
1,710	87	W	6.2
1,890	90	W	5.6
2,070	90	W	5.0
Disappearance: Entered StCu, 2,070 m.			

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity tn. p. s.
No. 357. Dec. 14, 1929; 21h 11m. Clouds: 5 StCu, SSW. Vis.: 7			
Surface	360	S	2.7
216	354	S	5.8
414	354	S	5.8
612	359	S	6.5
801	21	SSW	6.8
990	36	SW	8.9
1,170	37	SW	10.5
1,350	35	SW	11.1
1,530	34	SW	11.9
1,710	31	SSW	12.2
1,890	30	SSW	11.9
Disappearance: Behind StCu.			
No. 358. Dec. 15, 1929; 18h. 10m. Clouds: 2 ASW, 1 St W. Vis.: 9			
Surface	80	W	1.3
216	79	W	4.4
414	80	W	4.6
612	87	W	5.3
801	86	W	7.4
990	80	W	8.6
1,170	78	WSW	8.9
1,350	76	WSW	10.3
1,530	77	WSW	11.4
1,710	79	W	11.9
1,890	79	W	11.5
2,070	78	WSW	10.6
2,250	79	W	10.1
2,430	81	W	9.9
2,610	80	W	10.8
2,790	81	W	11.9
2,970	84	W	13.1
3,150	86	W	14.4
Disappearance: Bursting (?).			
No. 359. Dec. 16, 1929; 10h 31m. Clouds: 9 St SW. Vis.: 6			
Surface	276	E	5.8
216	302	ESE	4.4
414	25	SSW	4.5
612	36	SW	5.4
801	40	SW	4.8
943	44	SW	4.8
Disappearance: Entered St, 943 m.			
No. 360. Dec. 17, 1929; 10h 46m. Clouds: 9 ACu NE. Vis.: 6			
Surface	330	SSE	0.9
216	302	ESE	4.3
414	301	ESE	8.7
612	294	ESE	10.0
801	292	ESE	8.2
990	300	ESE	7.1
1,170	310	SE	6.0

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 360—Continued				No. 362—Continued				No. 363—Continued				No. 366. Dec. 22, 1929; 21h 34m. Clouds: 9 StCu NE, 1 St ESE. Vis.: 5.			
1,350	316	SE	7.0	801	346	SSE	7.4	612	313	SE	4.3				
1,530	315	SE	7.3	990	320	SE	5.7	801	304	SE	6.3				
1,710	298	ESE	6.5	1,170	288	ESE	6.3	990	291	ESE	7.0	Surface	290	ESE	5.4
1,890	264	E	5.9	1,350	286	ESE	6.1	1,170	284	ESE	7.1	216	287	ESE	7.9
2,070	253	ENE	5.9	1,530	287	ESE	5.7	1,350	271	E	7.1	414	282	ESE	6.7
2,250	252	ENE	6.1	1,710	286	ESE	5.2	1,530	264	E	7.7	612	247	ENE	7.8
2,430	262	E	6.5	1,890	283	ESE	5.1	1,710	260	E	8.5	801	231	NE	8.9
2,610	262	E	6.9	2,070	273	E	5.9	1,890	249	ENE	9.8	990	231	NE	8.0
2,790	245	ENE	6.5	2,250	275	E	6.1	2,070	242	ENE	11.2	1,170	228	NE	8.0
2,970	237	ENE	6.9	2,430	282	ESE	6.4	2,250	242	ENE	11.4				
3,150	233	NE	7.8	2,610	279	E	7.3	Disappearance: Entered ACu, 2,250 m.				Disappearance: Entered StCu, 1,170 m.			
3,330	228	NE	8.0	2,790	277	E	6.6	No. 364. Dec. 20, 1929; 20h 47m. Clouds: 9 ASt ESE. Vis.: 7				No. 367. Dec. 24, 1929; 18h 02m. Clouds: 9 StCu NNW, 1 St NNW. Vis.: 6.			
3,510	225	NE	7.5	2,970	275	E	5.4	Surface	275	E	6.3	Surface	186	N	4.5
3,690	225	NE	7.3	3,150	281	E	5.2	216	283	ESE	13.9	216	173	N	6.9
Disappearance: Entered ACu, 3690 m.				3,330	279	E	5.5	414	280	E	15.1	414	165	NNW	7.0
No. 361. Dec. 19, 1929; 13h 47m. Clouds: 3 Ci, 4 StCu, ENE. Vis.: 8				3,510	269	E	5.7	612	273	E	12.4	612	158	NNW	6.3
Surface	293	ESE	5.4	3,690	264	E	5.7	801	264	E	7.8	801	157	NNW	6.0
216	284	ESE	6.7	3,870	262	E	4.9	990	275	E	3.6	990	161	NNW	6.2
414	269	E	5.9	4,050	254	ENE	4.5	1,170	329	SSE	4.0	1,170	163	NNW	6.1
612	259	E	6.8	4,230	242	ENE	5.6	1,350	332	SSE	6.0	1,305	163	NNW	5.9
801	250	ENE	8.0	4,410	237	ENE	7.2	1,530	316	SE	6.2	Disappearance: Entered StCu, 1305 m.			
990	238	ENE	8.6	4,590	236	NE	7.2	1,710	300	ESE	8.5	No. 368. Dec. 26, 1929; 21h 26m. Clouds: 3 St W. Vis.: (9 to 5).			
1,170	222	NE	8.3	4,770	236	NE	7.0	1,890	297	ESE	12.8	Surface	85	W	2.7
1,350	209	NNE	6.1	4,950	236	NE	7.5	2,070	298	ESE	15.5	216	89	W	5.5
1,530	206	NNE	4.2	5,130	233	NE	8.1	2,250	297	ESE	15.7	414	96	W	7.3
1,710	231	NE	4.3	5,310	230	NE	9.0	2,430	291	ESE	15.0	612	100	W	8.2
1,890	255	ENE	4.5	5,490	226	NE	9.5	2,610	286	ESE	15.0	801	101	W	8.7
2,070	281	E	4.0	5,670	226	NE	8.7	2,790	282	ESE	15.6	990	101	W	8.9
2,250	292	ESE	4.3	5,850	218	NE	8.5	2,970	279	E	15.6	1,170	102	WNW	8.2
2,430	287	ESE	3.5	6,030	216	NE	9.7	3,150	281	E	14.1	1,350	102	WNW	7.5
2,610	288	ESE	3.4	6,210	217	NE	9.1	3,330	284	ESE	12.6	1,530	100	W	6.7
2,790	291	ESE	4.8	6,390	216	NE	7.8	3,510	288	ESE	12.2	1,710	91	W	6.0
2,970	284	ESE	6.3	6,570	223	NE	7.4	Disappearance: Entered AST, 3,510 m.				1,890	83	W	6.0
3,150	276	E	7.0	6,750	228	NE	8.9	No. 365. Dec. 21, 1929; 9h 58 m. Clouds: 2 CiSt ENE, 2 ASt NE, 3 StCu NE, Few St NE. Vis.: 7				2,070	82	W	6.0
3,330	269	E	7.0	6,930	220	NE	10.6	Surface	278	E	5.4	Disappearance: Behind St. 9 St. at end of observation.			
3,510	270	E	7.0	7,110	229	NE	10.1	216	241	ENE	8.8	No. 369. Dec. 27, 1929; 8h 33m. Clouds: Few ASt, WSW. Vis.: 9.			
3,690	279	E	6.1	7,290	234	NE	8.8	414	222	NE	9.7	Surface	135	NW	1.8
3,870	284	ESE	5.9	7,470	234	NE	8.2	612	215	NE	9.6	216	59	WSW	1.9
4,050	283	ESE	6.4	7,650	237	ENE	8.3	801	214	NE	9.6	414	38	SW	3.4
4,230	280	E	6.7	7,830	239	ENE	9.4	990	221	NE	10.1	612	67	WSW	6.4
4,410	279	E	7.2	8,010	235	NE	10.0	1,170	229	NE	10.6	801	79	W	9.7
4,590	279	E	8.0	8,190	227	NE	10.4	1,350	233	NE	11.1	990	79	W	10.1
4,770	282	ESE	8.0	8,370	214	NE	11.5	1,530	237	ENE	10.9	1,170	78	WSW	10.2
4,950	286	ESE	8.0	8,550	205	NNE	13.2	1,710	243	ENE	10.0	1,350	78	WSW	9.8
5,130	286	ESE	8.6	8,730	210	NNE	13.8	1,890	246	ENE	8.6	1,530	78	WSW	9.2
5,310	286	ESE	9.2	8,910	215	NE	12.3	2,070	234	NE	7.9	1,710	74	WSW	8.9
5,490	288	ESE	9.0	9,090	213	NNE	12.4	2,250	224	NE	8.4				
5,670	290	ESE	9.7	9,270	213	NNE	12.9	2,430	231	NE	9.2				
5,850	286	ESE	10.5	9,450	209	NNE	12.8	2,610	233	NE	10.7				
6,030	287	ESE	10.8	9,630	208	NNE	12.8	2,790	234	NE	11.0				
Disappearance: Behind StCu.				9,810	208	NNE	12.5	Disappearance: Behind StCu.							
No. 362. Dec. 19, 1929; 21h 30m. Clouds: Few ACu E. Vis.: 9				9,990	208	NNE	11.0								
Surface	320	SE	5.4	10,170	209	NNE	10.4								
216	306	SE	12.0	10,350	214	NE	10.1								
414	313	SE	9.4	10,530	218	NE	10.1								
612	336	SSE	7.2	10,710	221	NE	10.0								
				10,890	219	NE	8.6								
				11,070	221	NE	7.5								
				11,250	223	NE	7.0								
				Disappearance: Bursting.											
				No. 363. Dec. 20, 1929; 9h 32m. Clouds: 4 ASt ENE, 3 ACu ENE. Vis.: 7											
				Surface	310	SE	6.3								
				216	300	ESE	13.7								
				414	296	ESE	9.4								

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind							
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.				
No. 369—Continued				No. 371. Dec. 29, 1929; 9h 53m. Clouds: 3 StCu. Vis.: 9				No. 372—Continued				No. 373—Continued							
1,890	70	WSW	8.9	Surface	259	E	2.7	2,250	19	SSW	9.4	2,790	46	SW	3.1				
2,070	69	WSW	8.7	216	267	E	3.7	2,430	24	SSW	5.3	2,970	90	W	3.8				
2,250	68	WSW	8.5	414	293	FSE	2.5	2,610	70	WSW	3.6	3,150	128	NW	4.9				
2,430	70	WSW	8.2	612	313	SE	3.6	2,790	90	W	4.6	3,330	142	NW	6.1				
2,610	70	WSW	7.7	801	317	SE	4.7	2,970	98	W	4.2	3,510	135	NW	6.2				
2,790	68	WSW	7.0	990	330	SSE	4.8	3,150	102	WNW	4.6	3,690	127	NW	6.1				
2,970	73	WSW	6.2	1,170	345	SSE	5.4	3,330	97	W	6.8	3,870	126	NW	6.2				
3,150	78	WSW	6.2	1,350	1	S	6.1	3,510	94	W	8.4	4,050	125	NW	5.8				
3,330	76	WSW	5.9	1,530	13	SSW	6.7	3,690	97	W	9.0	4,230	127	NW	5.8				
3,510	76	WSW	5.0	1,710	31	SSW	7.6	3,870	99	W	9.2	4,410	131	NW	5.2				
3,690	76	WSW	5.0	1,890	52	SW	8.3	4,050	110	WNW	9.3	4,590	137	NW	4.9				
3,870	78	WSW	5.2	2,070	65	WSW	7.8	4,230	130	NW	10.8	4,770	147	NNW	7.5				
4,050	88	W	5.9	2,250	57	WSW	6.3	4,410	134	NW	11.5	4,950	153	NNW	10.5				
4,230	83	W	6.7	2,430	26	SSW	4.0	4,590	133	NW	11.5	5,130	155	NNW	11.8				
4,410	81	W	7.2	2,610	341	SSE	3.2	4,770	136	NW	12.0	5,310	157	NNW	12.6				
4,590	82	W	7.7	2,790	298	ESE	0.5	4,950	140	NW	12.5	5,490	156	NNW	12.8				
4,770	77	WSW	8.5	2,970	144	NW	2.8	5,130	141	NW	12.3	5,670	157	NNW	13.0				
4,950	72	WSW	9.4	3,150	132	NW	4.0	5,310	139	NW	12.2	5,850	158	NNW	13.2				
5,130	71	WSW	10.3	3,330	133	NW	3.4	5,490	138	NW	12.3	6,030	157	NNW	12.4				
5,310	69	WSW	10.5	3,510	144	NW	3.5	5,670	139	NW	12.0	6,210	154	NNW	11.2				
5,490	67	WSW	10.5	3,690	145	NW	4.6	5,850	136	NW	11.4	6,390	156	NNW	10.7				
5,670	62	WSW	10.6	3,870	144	NW	5.4	6,030	136	NW	11.0	6,570	156	NNW	10.2				
5,850	60	WSW	10.5	4,050	144	NW	6.5	6,210	136	NW	10.2	6,750	153	NNW	9.5				
6,030	61	WSW	11.2	4,230	141	NW	7.2	6,390	136	NW	9.6	6,930	151	NNW	9.7				
6,210	62	WSW	11.3	4,410	142	NW	7.5	6,570	132	NW	9.4	7,110	151	NNW	10.5				
6,390	60	WSW	9.8	4,590	141	NW	8.7	6,750	134	NW	9.3	7,290	152	NNW	11.4				
6,570	60	WSW	9.5	4,770	139	NW	9.8	6,930	132	NW	9.6	7,470	156	NNW	11.9				
6,750	63	WSW	9.6	4,950	135	NW	10.2	7,110	130	NW	9.5	7,650	156	NNW	11.9				
6,930	63	WSW	9.4	5,130	135	NW	10.4	7,290	129	NW	9.8	7,830	156	NNW	12.0				
7,110	60	WSW	9.0	5,310	132	NW	10.0	7,470	128	NW	9.6	8,010	157	NNW	12.0				
7,290	53	SW	9.2	5,490	131	NW	10.4	7,650	128	NW	10.1	Disappearance: Behind ACu.							
7,470	50	SW	10.0	5,670	132	NW	11.0	7,830	127	NW	10.5	No. 374. Dec. 30, 1929; 21h 57m. Clouds: 2 CiSt NNW, 3 ACu NNW. Vis.: 8							
7,650	49	SW	10.5	5,850	131	NW	11.0	8,010	126	NW	10.9	Surface	324	SE	5.8				
7,830	49	SW	10.5	6,030	129	NW	11.2	8,190	122	WNW	12.2	216	297	ESE	9.1				
8,010	47	SW	10.5	6,210	125	NW	11.5	8,370	118	WNW	13.2	414	294	ESE	8.8				
8,190	46	SW	10.4	6,390	122	WNW	11.6	8,550	114	WNW	13.5	612	298	ESE	7.2				
8,370	45	SW	9.5	6,570	119	WNW	11.5	8,730	111	WNW	14.1	801	310	SE	5.5				
8,550	45	SW	10.1	6,750	118	WNW	11.5	8,910	112	WNW	13.7	990	320	SE	4.9				
8,730	47	SW	11.0	6,930	118	WNW	12.3	9,090	112	WNW	12.1	1,170	323	SE	4.7				
8,910	49	SW	9.5	7,110	116	WNW	12.0	9,270	112	WNW	10.7	1,350	332	SSE	5.9				
9,090	56	SW	7.0	7,290	115	WNW	11.5	9,450	107	WNW	10.0	1,530	338	SSE	9.0				
9,270	76	WSW	7.0	7,470	114	WNW	11.6	9,630	100	W	8.2	1,710	342	SSE	9.9				
9,450	92	W	8.0	7,650	111	WNW	11.4	9,810	100	W	7.0	1,890	341	SSE	7.8				
9,630	105	WNW	6.0	7,830	108	WNW	11.9	10,170	124	NW	6.4	2,070	334	SSE	6.9				
9,810	103	WNW	5.5	8,010	102	WNW	11.5	10,350	118	WNW	7.2	2,250	330	SSE	6.5				
9,990	104	WNW	6.2	8,190	94	W	11.4	Disappearance: Bursting.			2,430	330	SSE	6.1					
10,170	116	WNW	5.0	8,370	92	W	12.5	No. 373. Dec. 30, 1929; 9h 12m. Clouds: 3 ACu W. Vis.: 9	2,610	328	SSE	5.3	2,790	316	SE	2.3			
10,350	122	WNW	5.0	Disappearance: (?).			Surface	294	ESE	5.8	2,970	244	N	2.8	2,970	244	N	2.8	
No. 370. Dec. 28, 1929; 10h 43m. Clouds: 5 StCu WSW. Vis.: 7				No. 372. Dec. 29, 1929; 21h 01m. Clouds: 3ACu W. Vis.: 8				216	294	ESE	8.5	3,150	172	N	3.4	3,330	174	N	3.4
Surface	305	SE	0.9	Surface	333	SSE	3.6	414	293	ESE	7.7	3,510	177	N	3.4	3,690	197	NNE	4.0
216	50	SW	1.7	216	318	SE	4.1	612	300	ESE	6.2	3,870	204	NNE	4.8	4,050	201	NNE	5.1
414	53	SW	3.3	414	315	SE	3.9	801	323	SE	5.8	4,230	187	N	4.8	4,410	175	N	5.1
612	70	WSW	4.0	612	325	SE	3.5	990	333	SSE	7.6	4,590	171	N	6.0	4,770	168	NNW	6.9
801	78	WSW	3.9	801	336	SSE	4.2	1,170	335	SSE	8.4	4,950	160	NNW	7.3	5,130	160	NNW	8.0
990	81	W	3.5	990	333	SSE	6.5	1,350	338	SSE	9.3	5,310	165	NNW	9.7	5,490	162	NNW	10.5
1,170	74	WSW	4.0	1,170	340	SSE	8.2	1,530	347	SSE	11.6								
1,350	72	WSW	3.8	1,350	352	S	9.0	1,710	356	S	11.3								
1,530	78	WSW	3.3	1,530	359	S	9.4	1,890	357	S	9.1								
Disappearance: Behind StCu.				1,710	1	S	8.5	2,070	355	S	8.0								
				1,890	10	S	8.5	2,250	352	S	7.0								
				2,070	20	SSW	10.5	2,430	350	S	5.8								
								2,610	2	S	3.7								

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 374—Continued				No. 375—Continued				No. 380. Jan. 6, 1930; 10h 08m. Clouds: 1 CiSt (NE?), 9 ASt NE. Vis.: 6. Faint 22° solar halo. Lt. drift				No. 383—Continued			
5,670	161	NNW	10.5	7,290	183	N	13.5	Surface	290	ESE	8.5	612	219	NE	6.4
5,850	162	NNW	10.4	7,470	183	N	14.3	216	283	ESE	13.9	801	222	NE	5.9
6,030	160	NNW	10.8	7,650	183	N	14.6	414	270	E	12.0	990	217	NE	6.5
6,210	159	NNW	11.7	Disappearance: Behind ACu.				612	256	ENE	10.8	1,170	215	NE	6.0
6,390	161	NNW	12.1	No. 376. Jan. 1, 1930; 21h 46m. Clouds: 9 StCu WNW. Vis.: 6				801	246	ENE	11.2	1,350	216	NE	5.0
6,570	163	NNW	12.6	Surface				990	239	ENE	12.1	1,530	222	NE	5.5
6,750	163	NNW	12.5	234 NE 2.2				1,170	234	NE	13.3	1,710	224	NE	6.3
6,930	158	NNW	12.8	216 147 NNW 4.1				1,350	233	NE	14.0	Disappearance: Entered StCu, 1,710 m.			
7,110	161	NNW	13.1	414 135 NW 5.8				Disappearance: Entered ASt, 1,350 m.				No. 384. Jan. 8, 1930; 22h 02m. Clouds: 9 StCu E. Vis.: 6			
7,290	167	NNW	12.9	612 127 NW 6.2				No. 381. Jan. 6, 1930; 20h 47m. Clouds: 9 ASt NE. Vis.: 7				Surface	317	SE	4.5
7,470	166	NNW	13.0	801 119 WNW 6.7				Surface	297	ESE	8.1	216	307	SE	8.2
7,650	165	NNW	12.8	895 115 WNW 6.9				216	270	E	11.6	414	297	ESE	9.0
7,830	167	NNW	13.1	Disappearance: Entered StCu, 895 m.				414	247	ENE	12.8	612	295	ESE	8.9
8,010	172	N	16.4	No. 377. Jan. 2, 1930; 15h 47m. Clouds: 1 Ci, 8 St NNW Vis.: 6				612	240	ENE	17.2	801	287	ESE	6.6
8,190	171	N	12.9	Surface				801	238	ENE	21.1	990	274	E	6.2
8,370	170	N	12.0	174 N 5.8				990	236	NE	22.2	1,170	266	E	6.3
8,550	167	NNW	12.4	216 168 NNW 9.9				1,170	237	ENE	21.6	1,350	262	E	6.0
8,730	165	NNW	12.4	414 163 NNW 10.6				1,350	244	ENE	18.2	1,530	267	E	6.0
8,910	162	NNW	11.3	612 162 NNW 11.3				1,710	255	ENE	19.8	1,710	270	E	6.0
9,090	160	NNW	10.7	Disappearance: Entered StCu, 895 m.				1,890	251	ENE	20.2	Disappearance: Entered StCu, 1,710 m.			
9,270	158	NNW	11.6	No. 378. Jan. 3, 1930; 22h. Clouds: 10 StCu NNE. Vis.: 4. Lt. snow.				2,070	238	ENE	17.3	No. 385. Jan. 9, 1930; 9h 30m. Clouds: 9 StCu E. Vis.: 6			
Disappearance: Behind CiSt.				Surface				2,250	225	NE	15.9	Surface	275	E	4.0
No. 375. Dec. 31, 1929; 9h 23m. Clouds: 2 CiSt (N?), 3 ACu7 NW. Vis: 7.				194 NNE 2.2				2,430	222	NE	15.8	216	282	ESE	5.2
Surface	340	SSE	5.3	216 190 N 4.8				Disappearance: Entered ASt, 2,430 m.				414	283	ESE	3.6
216	318	SE	7.6	414 188 N 6.2				No. 382. Jan. 7, 1930; 14h 40m. Clouds: 1 CiSt ENE, 5 StCu ENE. Vis.: 6. Lt. drift				612	271	E	3.5
414	310	SE	10.5	612 188 N 5.3				Surface	292	ESE	8.1	801	282	ESE	3.7
612	311	SE	12.7	801 196 NNE 6.0				216	269	E	15.3	990	306	SE	4.2
801	310	SE	13.2	990 203 NNE 6.8				414	257	ENE	17.5	1,170	301	ESE	5.1
990	316	SE	13.8	1,170 204 NNE 7.2				612	253	ENE	16.1	1,350	287	ESE	5.7
1,170	329	SSE	14.8	1,350 203 NNE 7.7				801	258	ENE	13.9	1,530	284	ESE	5.8
1,350	336	SSE	15.0	1,410 201 NNE 7.8				990	260	E	11.9	1,710	275	E	5.4
1,530	338	SSE	12.8	Disappearance: Entered StCu, 1,410 m.				1,170	248	ENE	10.9	1,890	262	E	4.0
1,710	330	SSE	8.5	No. 379. Jan. 5, 1930; 20h 35m. Clouds: Few CiSt, 9 ASt NE, Few St ENE. Vis.: 5. Lt. drift				1,350	244	ENE	11.8	2,070	263	E	2.9
1,890	306	SE	4.2	Surface				1,530	250	ENE	14.7	Disappearance: Entered StCu, 2,070 m.			
2,070	304	SE	0.6	285 ESE 8.1				1,710	254	ENE	20.4	No. 386. Jan. 9, 1930; 22h 35m. Clouds: 10 St N. Vis.: 4			
2,250	40	SW	1.4	216 255 ENE 12.6				1,890	253	ENE	23.3	Surface	227	NE	4.0
2,430	28	SSW	1.1	414 238 ENE 12.5				2,070	253	ENE	18.9	216	199	NNE	5.3
2,610	128	NW	1.0	612 225 NE 11.3				2,250	254	ENE	14.5	414	190	N	5.4
2,790	137	NW	2.7	801 213 NNE 11.8				Disappearance: Cut off by StCu.				Disappearance: Entered St, 414 m.			
2,970	144	NW	4.3	990 209 NNE 12.3				No. 383. Jan. 8, 1930; 10h 58m. Clouds: 9 StCu NE, Few St NNE. Vis.: 6				No. 387. Jan. 10, 1930; 12h 21m. Clouds: 8 StCu N. Vis.: 6			
3,150	150	NNW	7.1	1,170 204 NNE 10.5				Surface	233	NE	4.0	Surface	178	N	4.5
3,330	148	NNW	8.7	1,350 213 NNE 9.8				216	212	NNE	5.3	216	179	N	7.3
3,510	142	NW	8.2	1,530 225 NE 10.8				414	208	NNE	6.6	414	191	N	6.3
3,690	136	NW	8.0	1,710 228 NE 11.0				Disappearance: Entered ASt 1,710 m.				612	195	NNE	5.6
3,870	139	NW	7.8	Disappearance: Entered StCu, 1,710 m.											
4,050	148	NNW	7.8												
4,230	159	NNW	10.3												
4,410	165	NNW	12.1												
4,590	168	NNW	12.4												
4,770	169	N	11.4												
4,950	169	N	10.1												
5,130	169	N	9.8												
5,310	170	N	9.5												
5,490	171	N	9.6												
5,670	172	N	10.0												
5,850	173	N	10.4												
6,030	175	N	10.6												
6,210	177	N	11.2												
6,390	178	N	12.0												
6,570	179	N	11.8												
6,750	178	N	12.0												
6,930	180	N	12.5												
7,110	182	N	12.5												

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 387—Continued				No. 390—Continued				No. 392—Continued				No. 394—Continued			
801	179	N	4.2	2,790	123	WNW	8.8	1,530	153	NNW	8.1	612	203	NNE	2.1
990	159	NNW	3.6	2,970	142	NW	7.7	1,710	159	NNW	8.1	801	147	NNW	2.1
1,170	180	N	3.6	3,150	159	NNW	7.0	1,830	162	NNW	7.6	990	123	WNW	2.9
1,350	207	NNE	4.7	3,330	157	NNW	6.5	Disappearance: Entered StCu, 1,830 m.				1,170	113	WNW	3.3
1,530	204	NNE	5.3	3,510	152	NNW	6.2	No. 393. Jan. 15, 1930; 19h 05m Clouds: 2 ACu NW, 1 StCu NNW. Vis.: 9				1,350	113	WNW	2.4
1,710	203	NNE	5.5	3,690	147	NNW	5.5	Surface				1,530	91	W	1.8
Disappearance: Cut off by StCu.				3,870	139	NW	4.8	216	291	SSE	1.8	1,710	82	W	3.2
No. 388. Jan. 11, 1930; 9h 33m. Clouds: 9 StCu N, Few StNNE. Vis.: 6				4,050	137	NW	4.2	414	286	SSE	0.2	1,890	96	W	4.3
Surface	205	NNE	4.5	4,230	141	NW	4.5	612	106	WNW	1.8	2,070	127	NW	4.7
216	199	NNE	6.5	4,410	143	NW	4.5	801	153	NNW	3.8	2,250	155	NNW	6.4
414	196	NNE	6.2	4,590	141	NW	4.3	990	147	NNW	4.0	2,430	160	NNW	8.3
612	198	NNE	6.1	4,770	145	NW	4.5	1,170	150	NNW	4.1	2,610	156	NNW	9.5
801	201	NNE	5.3	4,950	145	NW	4.5	1,350	155	NNW	5.8	2,790	152	NNW	10.1
990	201	NNE	4.0	5,130	140	NW	4.9	1,530	158	NNW	8.0	2,970	152	NNW	9.2
1,050	183	N	2.7	5,310	139	NW	5.0	1,710	146	NW	7.5	3,150	149	NNW	6.9
Disappearance: Entered StCu, 1,050 m.				5,490	143	NW	5.1	1,890	120	WNW	5.7	3,330	141	NW	5.0
No. 389. Jan. 12, 1930; 11h 47m. Clouds: 3 ACu N, 2 StCu N, 2 Cu N. Vis.: 7				5,670	147	NNW	5.3	2,070	114	WNW	4.4	3,510	129	NW	4.4
Surface	166	NNW	3.1	5,850	143	NW	5.5	2,250	107	WNW	3.2	3,690	123	WNW	3.0
216	173	N	6.2	6,030	144	NW	5.6	2,430	105	WNW	3.9	3,870	133	NW	1.9
414	183	N	6.6	6,210	146	NW	5.9	2,610	113	WNW	4.6	4,050	148	NNW	1.7
612	170	N	6.2	6,390	145	NW	6.2	2,790	118	WNW	4.6	4,230	162	NNW	1.6
801	161	NNW	5.3	6,570	149	NNW	5.9	2,970	123	WNW	4.5	4,410	160	NNW	1.9
990	173	N	4.7	6,750	151	NNW	5.8	3,150	118	WNW	4.6	4,590	176	N	2.4
1,170	172	N	4.8	6,930	153	NNW	5.6	3,330	115	WNW	4.5	4,770	191	N	3.2
1,350	172	N	5.0	7,110	153	NNW	5.4	3,510	117	WNW	3.0	4,950	196	NNE	3.8
1,530	175	N	5.3	7,290	155	NNW	5.5	3,690	125	NW	2.0	5,130	208	NNE	4.0
1,710	177	N	5.1	7,470	156	NNW	6.5	3,870	142	NW	2.0	5,310	213	NNE	4.4
1,890	170	N	6.2	7,650	150	NNW	7.7	4,050	158	NNW	2.5	5,490	211	NNE	5.0
2,070	162	NNW	8.9	7,830	144	NW	8.5	4,230	164	NNW	3.0	5,670	209	NNE	5.4
2,250	161	NNW	10.5	8,010	146	NW	8.8	4,410	170	N	3.3	5,850	209	NNE	5.4
Disappearance: Cut off by StCu.				8,190	148	NNW	8.3	4,590	178	N	3.7	6,030	213	NNE	5.8
No. 390. Jan. 13, 1930; 15h 24m. Clouds: Few StCu WNW. Vis.: 9				8,370	150	NNW	8.3	4,770	185	N	3.8	6,210	214	NE	6.0
Surface	103	WNW	2.7	8,550	151	NNW	6.9	4,950	190	N	4.5	6,390	215	NE	6.2
216	79	W	5.0	8,730	144	NW	5.0	5,130	192	NNE	5.0	6,570	214	NE	6.7
414	61	WSW	5.0	8,910	144	NW	4.1	5,310	195	NNE	4.8	6,750	216	NE	6.8
612	51	SW	5.9	9,090	161	NNW	3.2	5,490	196	NNE	5.0	6,930	220	NE	6.9
801	55	SW	6.9	9,270	168	NNW	2.8	5,670	198	NNE	5.0	7,110	218	NE	7.5
990	74	WSW	7.0	Disappearance: Bursting.				5,850	200	NNE	4.8	7,290	217	NE	7.9
1,170	96	W	6.3	No. 391. Jan. 14, 1930; 9h 10m. Clouds: 9 StCu W. Vis.: 6. Few flakes of snow falling				6,030	203	NNE	5.0	7,470	219	NE	7.6
1,350	119	WNW	5.4	Surface				6,210	202	NNE	5.0	7,650	225	NE	7.5
1,530	139	NW	4.8	266	E	4.0		6,390	201	NNE	5.3	7,830	228	NE	8.2
1,710	141	NW	5.0	216	NE	3.3		6,570	201	NNE	5.3	8,010	224	NE	8.3
1,890	126	NW	6.3	414	232	NE	1.9	6,750	204	NNE	5.2	8,190	220	NE	8.0
2,070	113	WNW	7.0	612	165	NNW	1.3	6,930	209	NNE	5.8	Disappearance: Bursting.			
2,250	107	WNW	7.6	801	102	WNW	2.9	7,110	210	NNE	6.0	No. 395. Jan. 17, 1930; 9h 42m. Clouds: 2 St (SE?). Vis.: 9			
2,430	108	WNW	8.3	990	83	W	4.7	7,290	204	NNE	7.0	Surface	252	ENE	3.1
2,610	113	WNW	8.5	1,170	84	W	5.4	7,470	204	NNE	6.9	216	265	E	3.6
Disappearance: Entered StCu, 1,440 m.				1,350	89	W	4.8	7,650	206	NNE	6.7	414	327	SSE	1.1
No. 392. Jan. 15, 1930; 9h 23m. Clouds: 8 StCu NNW. Vis.: 6				1,440	97	W	4.4	7,830	208	NNE	6.8	612	35	SW	2.6
Surface	285	ESE	4.0	Disappearance: Bursting.				8,010	213	NNE	7.4	801	49	SW	3.3
216	134	NW	1.1	No. 394. Jan. 16, 1930; 9h 02m. Clouds: 3 StCu WNW. Vis.: 9				8,190	210	NNE	7.5	990	68	WSW	3.1
414	103	WNW	4.0	Surface				8,370	204	NNE	7.0	1,170	92	W	2.5
612	104	WNW	5.2	268	E	5.4		8,550	207	NNE	7.0	1,350	143	NW	2.2
801	106	WNW	7.4	216	259	E	5.9	Disappearance: Bursting.				1,530	170	N	2.0
990	115	WNW	8.1	414	235	NE	3.3	No. 396. Jan. 18, 1930; 9h 02m. Clouds: 3 StCu WNW. Vis.: 9				1,710	155	NNW	1.1
1,170	134	NW	7.8	Surface				Surface				1,890	116	WNW	1.5
1,350	146	NW	7.7	285	ESE	4.0		216	268	E	5.4	2,070	109	WNW	2.2
				216	134	NW	1.1	414	235	NE	3.3	2,250	116	WNW	1.9
				414	103	WNW	4.0					2,430	136	NW	1.7
				612	104	WNW	5.2					2,610	153	NNW	2.3
				801	106	WNW	7.4					2,790	165	NNW	2.5
				990	115	WNW	8.1					2,970	159	NNW	2.4
				1,170	134	NW	7.8					3,150	139	NW	2.3
				1,350	146	NW	7.7					3,330	160	NNW	3.0
												3,510	178	N	4.8

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	
No. 395—Continued				No. 397—Continued				No. 399—Continued				No. 401—Continued				
3,690	200	NNE	5.9	2,430	268	E	5.5	1,710	292	ESE	5.5	3,510	40	SW	13.0	
3,870	212	NNE	6.7	2,610	271	E	5.5	1,890	300	ESE	4.3	3,690	43	SW	13.5	
4,050	214	NE	6.4	2,790	274	E	5.4	2,070	312	SE	3.7	3,870	46	SW	13.8	
4,230	220	NE	6.2	2,970	275	E	5.4	2,250	323	SE	3.6	4,050	49	SW	13.8	
4,410	221	NE	6.3	3,150	274	E	5.4	2,430	338	SSE	3.2	4,230	48	SW	13.8	
4,590	220	NE	6.3	3,330	275	E	5.9	2,610	348	SSE	2.8	4,410	49	SW	13.0	
4,770	221	NE	6.7	3,510	276	E	7.1	2,790	20	SSW	2.7	4,590	49	SW	12.3	
4,950	216	NE	7.3	3,690	281	E	8.2	2,970	45	SW	3.7	4,770	51	SW	12.5	
5,130	213	NNE	7.7	3,870	290	ESE	9.6	3,150	55	SW	4.8	4,950	54	SW	13.0	
5,310	216	NE	8.1	4,050	291	ESE	9.8	3,330	61	WSW	6.0	5,130	53	SW	13.0	
5,490	218	NE	8.4	4,230	292	ESE	9.1	3,510	61	WSW	7.0	5,310	52	SW	13.0	
5,670	221	NE	8.8					3,690	65	WSW	7.8	5,490	57	WSW	14.2	
5,850	221	NE	9.0	Disappearance: Cut off by ACu. RH parhelion.				3,870	67	WSW	9.3	5,670	55	SW	16.7	
6,030	218	NE	9.2	No. 398. Jan. 20, 1930; 9h 49m. Clouds: 2 StCu SSW. Vis.: 9				4,050	62	WSW	10.8	5,850	52	SW	17.8	
6,210	214	NE	9.7					4,230	63	WSW	13.4	6,030	57	WSW	17.2	
6,390	212	NNE	9.9					4,410	70	WSW	15.8	6,210	56	SW	17.7	
6,570	214	NE	9.8					4,590	73	WSW	16.0	6,390	55	SW	18.0	
6,750	214	NE	9.9					4,770	71	WSW	16.7	6,570	54	SW	19.5	
6,930	213	NNE	10.0					4,950	74	WSW	16.0	6,750	52	SW	22.5	
7,110	216	NE	10.2	Surface	90	W	4.0	5,130	70	WSW	17.5	6,930	53	SW	23.8	
7,290	219	NE	10.2	216	53	SW	6.0	5,310	66	WSW	19.7	7,110	56	SW	23.2	
7,470	220	NE	10.2	414	41	SW	6.7	5,490	73	WSW	17.5	7,290	59	WSW	24.0	
7,650	221	NE	10.6	612	37	SW	6.5	5,670	77	WSW	16.5	7,470	58	WSW	25.2	
7,830	222	NE	10.3	801	29	SSW	6.2					7,650	58	WSW	24.8	
8,010	220	NE	9.8	990	27	SSW	5.9	Disappearance: Behind anemometer post.				Disappearance: Drift.				
8,190	217	NE	10.0	1,170	35	SW	6.8	No. 400. Jan. 21, 1930; 21h 19m. Clouds: Few Ci WSW. Vis.: 9.				No. 402. Jan. 23, 1930; 9h 33m. Clouds: 1 ASW WSW, Few ACu WSW. Vis.: 8				
8,370	215	NE	9.3	1,350	41	SW	7.8	Surface	325	SE	4.9	Surface	282	ESE	5.4	
8,550	213	NNE	7.6	1,530	48	SW	8.7	216	295	ESE	13.3	216	299	ESE	8.1	
8,730	218	NE	6.4	1,710	56	SW	9.9	414	279	E	15.8	414	319	SE	6.1	
8,910	221	NE	6.3	1,890	54	SW	10.8	612	285	ESE	13.5	612	339	SSE	5.9	
9,090	218	NE	5.6	2,070	54	SW	11.1	801	290	ESE	9.0	801	347	SSE	5.6	
9,270	222	NE	4.9	2,250	58	WSW	10.7	990	316	SE	6.0	990	350	S	4.8	
Disappearance: Bursting (?).				2,430	63	WSW	10.5	1,170	325	SE	7.7	1,170	357	S	3.6	
No. 396. Jan. 18, 1930; 9h 29m. Clouds: 10 StCu SSE. Vis.: 7				2,610	71	WSW	10.4	1,350	320	SE	9.6	1,350	16	SSW	4.2	
Surface	265	E	5.4	2,790	76	WSW	10.2	1,530	321	SE	12.2	1,530	26	SSW	5.1	
216	258	ENE	4.9	2,970	74	WSW	10.4	1,710	309	SE	13.0	1,710	29	SSW	5.1	
414	258	ENE	2.4	3,150	70	WSW	10.9	1,890	296	ESE	13.5	1,890	35	SW	4.3	
612	281	E	2.5	3,330	69	WSW	11.3	Disappearance: Background.				2,070	50	SW	4.3	
801	298	ESE	2.6	3,510	71	WSW	11.5	No. 401. Jan. 22, 1930; 8h 54m. Clouds: 0. Vis: 9. Inter- mittent drift; wind gusty				2,250	62	WSW	5.2	
990	315	SE	2.7	3,690	72	WSW	10.8	Surface	309	SE	5.4	2,430	62	WSW	6.3	
1,170	336	SSE	2.8	3,870	70	WSW	11.6	216	302	ESE	15.7	2,610	56	SW	7.7	
1,350	346	SSE	2.6	4,050	73	WSW	10.3	414	295	ESE	20.0	2,790	67	WSW	7.9	
1,470	347	SSE	2.5	4,230	76	WSW	9.6	612	286	ESE	16.2	2,970	77	WSW	8.2	
Disappearance: Entered StCu 1,470 m.				4,410	75	WSW	9.7	801	280	E	13.2	3,150	71	WSW	8.7	
No. 397. Jan. 18, 1930; 22h 18m. Clouds: 5 CiSt ESE, 4 ACu E. Vis.: 7				4,590	77	WSW	9.1	990	276	E	11.0	3,330	75	WSW	8.7	
Surface	233	NE	1.8	4,770	81	W	9.6	1,170	277	E	8.6	3,510	81	W	9.4	
216	271	E	5.1	4,950	87	W	9.5	1,350	285	ESE	7.5	3,690	81	W	9.9	
414	278	E	3.5	5,130	88	W	9.0	1,530	297	ESE	7.0	3,870	85	W	10.2	
612	320	SE	2.6	5,310	87	W	9.4	1,710	312	SE	7.8	4,050	89	W	10.1	
801	346	SSE	4.2	5,490	87	W	10.0	1,890	319	SE	9.8	4,230	85	W	11.7	
990	354	S	4.8	5,670	91	W	10.3	2,070	328	SSE	10.0	4,410	79	W	14.0	
1,170	341	SSE	4.2	5,850	92	W	10.0	2,250	338	SSE	6.8	Disappearance: Behind anemometer post.				
1,350	327	SSE	4.7	6,030	91	W	10.0	2,430	355	S	5.7	No. 403. Jan. 24, 1930; 9h 10m. Clouds: 9 StCu SSW. Vis.: 6				
1,530	291	ESE	4.5					2,610	14	SSW	7.2	Surface	13	SSW	5.4	
1,710	269	E	5.2	Disappearance: Abandoned.				2,790	23	SSW	7.4	216	3	S	7.9	
1,890	276	E	4.9	No. 399. Jan. 21, 1930; 9h 03m. Clouds: 4 Ci WSW, Few ACu SW. Vis: 9.	Surface	270	E	4.0	2,970	25	SSW	9.5	414	0	S	7.5
2,070	273	E	5.2					1,170	277	E	8.6	612	8	S	8.8	
2,250	269	E	5.3					1,350	285	ESE	7.5					
								1,530	297	ESE	7.0					
								1,710	312	SE	7.8					
								1,890	319	SE	9.8					
								2,070	328	SSE	10.0					
								2,250	338	SSE	6.8					
								2,430	355	S	5.7					
								2,610	14	SSW	7.2					
								2,790	23	SSW	7.4					
								2,970	25	SSW	9.5					
								3,150	30	SSW	11.7					
								3,330	37	SW	12.3					

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 403—Continued				No. 406. Jan. 27, 1930; 20h 19m. Clouds: 3 StCu WNW. Vis.: 9				No. 407—Continued				No. 409—Continued			
801	15	SSW	8.1	Surface	260	E	2.2	3,690	108	WNW	1.8	1,530	111	WNW	6.5
990	19	SSW	7.5	216	359	S	1.9	3,870	117	WNW	1.7	1,710	123	WNW	7.3
1,170	20	SSW	7.0	414	129	NW	2.1	4,050	123	WNW	1.7	1,890	128	NW	8.6
1,350	16	SSW	6.8	612	165	NNW	5.6	4,230	137	NW	2.0	2,070	134	NW	8.8
1,530	13	SSW	6.3	801	145	NW	5.2	4,410	158	NNW	2.7	2,250	138	NW	9.0
1,710	13	SSW	5.3	990	116	WNW	4.1	4,590	163	NNW	3.7	2,430	131	NW	9.3
1,770	10	S	4.6	1,170	111	WNW	2.8	4,770	159	NNW	4.3	2,610	122	WNW	9.2
Disappearance: Entered St-Cu, 1,770 m.				1,350	103	WNW	1.9	4,950	157	NNW	4.9	2,790	123	WNW	9.1
No. 404. Jan. 25, 1930; 14h. Clouds: Few StCu WSW. Vis.: 9				1,530	91	W	1.4	5,130	158	NNW	4.7	2,970	126	NW	10.1
Surface	46	SW	1.8	1,710	99	W	2.5	5,310	158	NNW	5.0	3,150	120	WNW	11.5
216	59	WSW	3.8	1,890	100	W	4.2	5,490	156	NNW	6.2	3,330	112	WNW	12.4
414	79	W	5.2	2,070	104	WNW	6.2	5,670	157	NNW	7.0	3,510	106	WNW	10.5
612	75	WSW	6.5	2,250	101	W	8.1	5,850	159	NNW	7.6	3,690	106	WNW	8.6
801	63	WSW	7.0	2,430	95	W	8.7	6,030	162	NNW	8.3	3,870	111	WNW	10.7
Disappearance: Bursting.				2,610	92	W	8.7	6,210	158	NNW	8.8	4,050	113	WNW	12.3
No. 405. Jan. 26, 1930; 20h 14m. Clouds: Few StCu SE. Vis.: 9				2,790	101	W	9.3	6,390	152	NNW	9.5	4,230	109	WNW	11.3
Surface	18	SSW	4.5	2,970	108	WNW	9.7	6,570	151	NNW	9.9	4,410	105	WNW	11.4
216	1	S	6.2	3,150	103	WNW	10.6	6,750	147	NNW	9.9	4,590	106	WNW	12.6
414	351	S	6.6	3,330	101	W	11.0	6,930	145	NW	10.3	4,770	106	WNW	13.0
612	351	S	7.0	3,510	107	WNW	9.8	7,110	140	NW	11.5	4,950	109	WNW	13.6
801	348	SSE	7.0	3,690	111	WNW	8.2	7,290	141	NW	12.8	5,130	112	WNW	14.2
990	341	SSE	5.9	3,870	112	WNW	7.7	7,470	142	NW	13.6	5,310	111	WNW	13.5
1,170	339	SSE	5.6	4,050	112	WNW	8.5	7,650	141	NW	12.8	Disappearance: Distance.			
1,350	332	SSE	6.2	4,230	112	WNW	9.9	7,830	140	NW	12.0	No. 410. Feb. 2, 1930; 10h 27m. Clouds: Few St W. Vis.: 9			
1,530	341	SSE	5.5	4,410	113	WNW	7.6	8,010	141	NW	12.0	Surface	64	WSW	4.0
1,710	358	S	4.2	4,590	106	WNW	9.8	Disappearance: Cut off by ACu. ACu increased during observation.				216	82	W	7.1
1,890	346	SSE	3.0	4,770	106	WNW	10.3	No. 408. Jan. 30, 1930; 13h 14m. Clouds: Few ASt WSW, Few St WSW. Vis.: 9				414	85	W	9.6
2,070	346	SSE	2.3	4,950	104	WNW	10.7	Surface	133	NW	2.7	612	87	W	10.2
2,250	10	S	2.1	5,130	105	WNW	10.0	216	76	WSW	7.2	801	87	W	10.4
2,430	28	SSW	1.8	5,310	99	W	9.8	414	73	WSW	10.0	990	87	W	10.7
2,610	73	WSW	1.1	5,490	111	WNW	9.0	612	83	W	8.5	1,170	87	W	11.4
2,790	93	W	2.5	5,670	121	WNW	9.2	801	82	W	9.0	1,350	90	W	12.1
2,970	111	WNW	1.9	5,850	115	WNW	8.6	990	72	WSW	10.5	1,530	91	W	12.4
3,150	117	WNW	2.3	6,030	116	WNW	10.5	1,170	68	WSW	10.7	1,710	90	W	12.9
3,330	119	WNW	2.6	6,210	113	WNW	11.8	1,350	65	WSW	11.5	1,890	90	W	12.8
3,510	124	NW	2.7	6,390	109	WNW	10.7	1,530	62	WSW	13.0	2,070	91	W	12.2
3,690	117	WNW	2.3	6,570	107	WNW	11.1	1,710	62	WSW	14.3	2,250	92	W	12.7
3,870	118	WNW	1.8	6,750	108	WNW	11.5	1,890	62	WSW	15.5	2,430	90	W	12.1
4,050	151	NNW	2.3	6,930	106	WNW	12.2	2,070	60	WSW	16.8	2,610	95	W	11.2
4,230	159	NNW	3.0	7,110	106	WNW	12.6	2,250	60	WSW	17.2	2,790	102	WNW	11.5
4,410	155	NNW	3.5	Disappearance: Distance.				2,430	60	WSW	15.8	Disappearance: Blue sky.			
4,590	148	NNW	4.2	No. 407. Jan. 29, 1930; 10h 53m. Clouds: 2 Ci NNW, 1 ACu SSE. Vis.: 9				2,610	64	WSW	15.3	No. 411. Feb. 3, 1930; 18h 08m. Clouds: 2 ACu WNW, Few St WNW. Vis.: 7			
4,770	145	NW	4.8	Surface	20	SSW	4.0	2,790	69	WSW	16.0	Surface	102	WNW	3.6
4,950	144	NW	5.2	216	320	SE	5.5	2,970	71	WSW	16.0	216	107	WNW	7.6
5,130	144	NW	5.2	414	307	SE	7.8	Disappearance: Low angle—blue sky.				414	113	WNW	9.6
5,310	142	NW	5.2	612	311	SE	7.0	No. 409. Jan. 31, 1930; 9h 55m. Clouds: 2 StCu WNW. Vis.: 9				612	108	WNW	10.8
5,490	143	NW	5.7	801	333	SSE	6.1	Surface	260	E	1.3	801	107	WNW	12.1
5,670	143	NW	6.3	990	341	SSE	7.5	216	21	SSW	2.9	990	111	WNW	12.2
5,850	135	NW	6.7	1,170	334	SSE	7.2	414	52	SW	4.3	1,170	114	WNW	12.1
6,030	130	NW	7.3	1,350	332	SSE	7.2	612	87	W	4.7	1,350	110	WNW	12.4
6,210	128	NW	8.2	1,530	336	SSE	7.8	801	101	W	5.2	1,530	107	WNW	12.7
Disappearance: Bursting.				1,710	335	SSE	9.2	990	110	WNW	6.3	1,710	110	WNW	12.8
				1,890	334	SSE	8.6	1,170	112	WNW	6.7	1,890	116	WNW	11.7
				2,070	344	SSE	6.3	1,350	108	WNW	6.3	2,070	121	WNW	10.4
				2,250	354	S	5.7					2,250	121	WNW	9.8
				2,430	352	S	6.2					2,430	123	WNW	9.5
				2,610	349	S	6.5					2,610	125	NW	10.1
				2,790	353	S	6.8					2,790	126	NW	10.9
				2,970	351	S	6.7								
				3,150	0	S	5.0								
				3,330	46	SW	3.5								
				3,510	76	WSW	2.7								

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 411—Continued				No. 414. Feb. 6, 1930; 9h 17m. Clouds: Few ACu ESE, Few StCu SE. Vis.: 9				No. 416—Continued				No. 418—Continued			
2,970	123	WNW	10.9	Surface	293	ESE	2.7	2,070	301	ESE	2.7	2,790	121	WNW	7.7
3,150	119	WNW	10.4	216	301	ESE	7.3	2,250	231	NE	2.4	2,970	123	WNW	8.3
3,330	118	WNW	10.3	414	294	ESE	8.2	2,430	214	NE	3.5	3,150	124	NW	9.2
3,510	120	WNW	10.5	612	299	ESE	5.2	2,610	230	NE	4.1	3,330	129	NW	10.5
3,690	123	WNW	10.4	801	330	SSE	4.6	Disappearance: (?).				3,510	132	NW	10.6
Disappearance: Blue sky.				990	337	SSE	5.5	No. 417. Mar. 31, 1934; 8h 44m. Clouds: 8 Ci NNW, 2 CiSt NNW. 22° solar halo				3,690	138	NW	10.5
No. 412. Feb. 4, 1930; 14h 11m. Clouds: Few Ci NW, 2ACu NW, Few StCu WNW. Vis.: 8				1,170	326	SE	5.9	Surface	17	SSW	3.6	3,870	135	NW	11.6
Surface	78	WSW	2.7	1,350	314	SE	5.9	216	308	SE	7.5	4,050	135	NW	12.7
216	105	WNW	4.7	1,530	312	SE	4.5	414	303	ESE	10.5	Disappearance: Frost on lens.			
414	112	WNW	7.8	1,710	295	ESE	4.7	612	301	ESE	8.7	No. 419. Mar. 31, 1934; 22h 12m. Clouds: 5 Ci NW			
612	116	WNW	9.8	1,890	292	ESE	5.7	801	295	ESE	6.0	Surface	293	ESE	4.0
801	119	WNW	11.4	2,070	290	ESE	6.0	990	282	ESE	5.2	216	290	ESE	13.0
990	126	NW	10.7	2,250	295	ESE	6.8	1,170	265	E	2.0	414	277	E	7.2
1,170	133	NW	9.2	2,430	296	ESE	7.8	1,350	272	E	0.5	612	218	NE	2.0
1,350	132	NW	8.3	2,610	297	ESE	7.7	1,530	212	NNE	1.3	801	201	NNE	2.1
1,530	120	WNW	8.5	2,790	300	ESE	7.0	1,710	198	NNE	1.0	990	168	NNW	2.2
1,710	108	WNW	9.4	2,970	300	ESE	6.4	1,890	137	NW	0.8	1,170	161	NNW	2.0
1,890	106	WNW	9.2	3,150	298	ESE	6.7	2,070	131	NW	2.0	1,350	153	NNW	2.2
2,070	105	WNW	8.5	3,330	298	ESE	6.5	2,250	139	NW	3.5	1,530	123	WNW	3.5
2,250	106	WNW	8.2	3,510	303	ESE	5.4	2,430	140	NW	4.0	1,710	118	WNW	5.0
2,430	113	WNW	8.7	3,690	309	SE	5.2	2,610	133	NW	4.8	1,890	115	WNW	4.8
2,610	120	WNW	9.8	3,870	310	SE	5.5	2,790	123	WNW	5.8	2,070	105	WNW	4.5
2,790	131	NW	11.2	Disappearance: Blue sky.				2,970	122	WNW	6.3	2,250	106	WNW	4.8
2,970	140	NW	12.8	No. 415. Mar. 30, 1934; 14h 25m. Clouds: 10 Ast N. Vis.: 3				3,150	124	NW	7.3	2,430	105	WNW	5.4
3,150	142	NW	13.3	Surface	285	ESE	10.3	3,330	131	NW	7.5	2,610	113	WNW	6.0
3,330	139	NW	12.2	216	291	ESE	17.4	3,510	144	NW	6.8	2,790	123	WNW	7.0
3,510	139	NW	11.0	414	292	ESE	11.0	3,690	146	NW	6.4	2,970	131	NW	7.2
3,690	144	NW	10.5	612	315	SE	5.8	3,870	153	NNW	6.5	3,150	138	NW	7.7
3,870	142	NW	12.0	801	323	SE	5.8	4,050	157	NNW	6.5	3,330	137	NW	7.5
4,050	134	NW	12.2	990	314	SE	5.2	4,230	144	NW	7.2	3,510	135	NW	8.3
4,230	132	NW	10.0	1,170	309	SE	6.0	4,410	149	NNW	8.0	3,690	135	NW	9.1
4,410	132	NW	9.5	1,350	305	SE	7.4	4,590	145	NW	8.5	3,870	140	NW	7.8
4,590	132	NW	10.4	1,530	292	ESE	5.2	4,770	148	NNW	8.3	4,050	140	NW	9.8
4,770	132	NW	11.4	1,710	287	ESE	3.0	4,950	152	NNW	8.2	Disappearance: Frost on lens.			
Disappearance: Distance. ACu increased to 7 during the observation.				1,890	287	ESE	2.5	5,130	158	NNW	9.2	No. 420. Apr. 1, 1934; 14h 24 m. Clouds: 5 Ci NW, 3 CiSt NW			
No. 413. Feb. 5, 1930; 9h 30m. Clouds: 5 Ci, 3 StCu NE. Vis.: 7				2,070	295	ESE	1.0	5,310	161	NNW	9.8	Surface	268	E	11.2
Surface	288	ESE	6.7	2,250	15	SSW	1.5	5,490	158	NNW	10.6	216	244	ENE	12.5
216	258	ENE	9.3	2,430	245	ENE	2.8	5,670	157	NNW	11.5	414	209	NNE	11.8
414	244	ENE	8.9	2,610	194	NNE	2.3	Disappearance: Entered Ci, 5,670 m.				612	197	NNE	11.2
612	240	ENE	7.9	2,790	167	NNW	2.3	No. 418. Mar. 31, 1934; 14h 25m. Clouds: 5 Ci NW, 4 CiSt NW				801	195	NNE	10.0
801	236	NE	6.6	2,970	173	N	4.0	Surface	336	SSE	2.2	990	190	N	8.9
990	219	NE	5.0	3,150	172	N	5.0	216	298	ESE	4.4	1,170	191	N	6.8
1,170	215	NE	3.0	Disappearance: Entered Ast, 3,150 m.				414	298	ESE	7.0	1,350	192	NNE	5.8
1,350	218	NE	1.9	No. 416. Mar. 30, 1934; 22h. Clouds: 8 Ci				612	298	ESE	12.6	1,530	191	N	5.0
1,530	185	N	2.2	Surface	46	SW	2.2	801	295	ESE	10.1	1,710	187	N	4.8
1,710	172	N	3.2	216	307	SE	7.7	990	281	E	2.3	1,890	184	N	5.0
1,890	166	NNW	3.0	414	306	SE	11.1	1,170	200	NNE	1.3	2,070	180	N	5.2
2,070	155	NNW	4.0	612	304	SE	9.5	1,350	187	N	1.6	2,250	180	N	4.2
2,250	158	NNW	4.7	801	309	SE	6.2	1,530	175	N	1.2	2,430	145	NW	3.5
2,430	158	NNW	4.7	990	310	SE	5.4	1,710	169	N	1.4	2,610	108	WNW	5.6
2,610	150	NNW	5.5	1,170	294	ESE	5.3	1,890	136	NW	1.8	2,790	100	W	6.4
2,790	153	NNW	5.8	1,350	287	ESE	4.5	2,070	127	NW	3.7	2,970	103	WNW	6.5
2,970	155	NNW	6.0	1,530	274	E	4.4	2,250	128	NW	5.1	Disappearance: Drifting snow.			
3,150	160	NNW	4.6	1,710	282	ESE	3.3	2,430	123	WNW	5.5				
3,330	174	N	3.2	1,890	325	SE	2.8	2,610	120	WNW	6.3				
Disappearance: Cut off by StCu.															

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

TABLE 27.—Results of pilot balloon ascents at Little America—Continued																	
Wind				Wind				Wind				Wind					
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		
No. 421. Apr. 2, 1934; 14h 04m. Clouds: 5 Ci NW. Vis.: 7																	
Surface	90	W	3.1														
216	70	WSW	9.1														
414	69	WSW	13.7														
612	74	WSW	13.6														
801	78	WSW	13.6														
990	88	W	13.7														
1,170	98	W	12.8														
1,350	102	WNW	12.3														
1,530	107	WNW	12.2														
1,710	97	W	14.2														
1,890	89	W	16.2														
2,070	93	W	15.2														
2,250	99	W	14.5														
2,430	104	WNW	14.8														
2,610	109	WNW	16.2														
2,790	113	WNW	17.2														
2,970	113	WNW	17.2														
Disappearance: Distance (?).																	
No. 422. Apr. 2, 1934; 20h 17m. Clouds: 8 CiSt NW																	
Surface	285	ESE	3.6														
216	108	WNW	1.2														
414	106	WNW	2.8														
612	128	NW	4.0														
801	147	NNW	5.5														
990	155	NNW	5.5														
1,170	160	NNW	6.0														
1,350	161	NNW	6.3														
1,530	163	NNW	6.8														
1,710	163	NNW	6.8														
1,890	162	NNW	6.8														
2,070	161	NNW	8.1														
2,250	164	NNW	10.6														
2,430	166	NNW	11.0														
2,610	168	NNW	12.8														
2,790	168	NNW	15.5														
Disappearance: Frost on lens.																	
No. 423. Apr. 4, 1934; 14h 25m. Clouds: 10 St NNW. Lt. drift																	
Surface	178	N	11.2														
216	170	N	13.0														
414	166	NNW	13.5														
Disappearance: Entered St, 414 m.																	
No. 424. Apr. 4, 1934; 20h 28m. Clouds: 0. Vis.: Surface 4, aloft 7. Lt. drift																	
Surface	224	NE	9.8														
216	181	N	13.4														
414	168	NNW	19.2														
612	168	NNW	22.0														
801	175	N	21.5														
990	181	N	19.2														
1,170	176	N	17.2														
Disappearance: Entered St, 612 m.																	
No. 424—Continued																	
1,350	166	NNW	16.3														
1,530	161	NNW	15.0														
1,710	165	NNW	14.5														
1,890	168	NNW	15.5														
2,070	165	NNW	16.2														
2,250	166	NNW	15.5														
2,430	168	NNW	15.0														
Disappearance: Distance.																	
No. 425. Apr. 5, 1934; 8h 27m. Clouds: 10 St NE. Vis.: 5																	
Surface	251	ENE	7.6														
216	243	ENE	15.0														
414	242	ENE	18.2														
612	237	ENE	14.3														
706	232	NE	14.5														
Disappearance: Entered St, 706 m.																	
No. 426. Apr. 5, 1934; 14h 26m. Clouds: 10 St NE. Vis.: 4																	
Surface	286	ESE	10.7														
216	249	ENE	13.5														
414	229	NE	15.7														
612	220	NE	12.5														
801	215	NE	9.7														
Disappearance: Entered St, 801 m.																	
No. 427. Apr. 5, 1934; 20h 10m. Clouds: 10 ASst ENE. Vis.: 4																	
Surface	278	E	8.0														
216	270	E	9.9														
414	253	ENE	11.3														
612	242	ENE	9.5														
801	236	NE	10.2														
990	224	NE	10.8														
1,170	211	NNE	11.3														
1,350	209	NNE	10.5														
1,530	220	NE	7.8														
1,710	240	ENE	6.0														
1,890	257	ENE	4.4														
2,070	261	E	4.3														
2,250	248	ENE	4.5														
2,430	246	ENE	4.2														
Disappearance: Entered ASst, 2,430 m.																	
No. 428. Apr. 6, 1934; 9h 24m. Clouds: 10 St ENE. Vis.: 3. Lt. snow.																	
Surface	280	E	7.6														
216	263	E	7.7														
414	244	ENE	8.0														
612	245	ENE	8.5														
Disappearance: Entered St, 612 m.																	
No. 429. Apr. 6, 1934; 15h 18m. Clouds: 10 St NE. Vis.: 3																	
Surface	270	E	7.6														
216	269	E	7.4														
414	233	NE	7.2														
513	215	NE	8.8														
Disappearance: Entered St, 513 m.																	
No. 430. Apr. 6, 1934; 19h 43m. Clouds: 10 St NNE. Vis.: 4																	
Surface	280	E	8.0														
216	257	ENE	9.3														
414	233	NE	8.5														
612	222	NE	8.6														
801	202	NNE	9.8														
990	192	NNE	11.0														
Disappearance: Entered St, 990 m.																	
No. 431. Apr. 7, 1934; 8h 15m. Clouds: 10 St N. Vis.: 3. Lt. drift																	
Surface	279	E	10.3														
216	264	E	12.8														
414	245	ENE	12.5														
612	232	NE	11.0														
801	220	NE	9.7														
990	213	NNE	10.2														
1,170	203	NNE	10.8														
1,350	187	N	10.6														
1,440	178	N	11.0														
Disappearance: Entered St, 1440 m.																	
No. 432. Apr. 7, 1934; 13h 36m. Clouds: 10 St NNE Vis: 2																	
Surface	273	E	13.4														
216	258	ENE	13.6														
414	240	ENE	14.0														
612	227	NE	13.1														
801	220	NE	12.0														
990	212	NNE	13.0														
1,170	208	NNE	13.7														
1,350	207	NNE	13.5														
Disappearance: Entered St, 1,350 m.																	
No. 433. Apr. 7, 1934; 20h 06m. Clouds: 1 ASst NNE. Vis: 2																	
Surface	277	E	10.3														
216	250	ENE	13.5														
414	227	NE	15.0														
612	216	NE	14.4														
801	209	NNE	14.5														
990	210	NNE	14.0														
Disappearance: Entered ASst, 2,610 m.																	
No. 433—Continued																	
1,170	214	NE	13.2														
1,350	221	NE	14.0														
1,530	221	NE	15.0														
1,710	218	NE	14.8														
1,890	212	NNE	12.1														
2,070	203	NNE	9.5														
2,250	200	NNE	8.8														
2,430	205	NNE	9.5														
2,610	207	NNE	9.2														
Disappearance: Distance.																	
No. 434. Apr. 8, 1934; 8h 20m. Clouds: 10 ASst NNE. Vis: 6																	
Surface	270	E	9.8														
216	248	ENE	9.3														
414	217	NE	9.3														
612	221	NE	10.5														
801	227	NE	10.7														
990	226	NE	9.7														
1,170	223	NE	9.9														
1,350	224	NE	10.3														
1,530	226	NE	9.9														
1,710	226	NE	9.8														
1,890	221	NE	9.3														
2,070	212	NNE	8.8														
2,250	207	NNE	8.5														
Disappearance: Entered ASst, 2,250m.																	
No. 435. Apr. 8, 1934; 14h 47m. Clouds: 10 ASst NE. Vis.: 6																	
Surface	264	E	7.6														
216	252	ENE	8.5														
414	222	NE	9.6														
612	219	NE	10.8														
801	222	NE	11.0														
990	227	NE	11.0														
1,170	234	NE	10.8														
1,350	238	ENE	11.7														
1,530	240	ENE	12.1														
1,710	239	ENE	10.5														
1,890	229	NE	7.2														
2,070	217	NE	5.5														
2,250	219	NE	7.6														
2,430	222	NE	6.7														
2,610	222	NE	6.5														
Disappearance: Entered ASst, 2,610 m.																	
No. 436. Apr. 8, 1934; 20h 35m. Clouds: 0. Vis.: 5																	
Surface	270	E	8.0														
216	253	ENE	9.8														
414	224	NE	8.5														
612	215	NE	8.3														
801	223	NE	10.2														
990	224	NE	11.4														
1,170	230	NE	12.0														
1,350	228	NE	12.1														
1,530	219	NE	12.3														

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 436—Continued				No. 440. Apr. 10, 1934; 14h 03m. Clouds: 10 St SSE. Vis.: 5				No. 444. Apr. 11, 1934; 21h 03m. Clouds: 0. Vis.: 4. Lt. drift				No. 446—Continued			
1,710	215	NE	12.2	Surface	301	ESE	4.0	Surface	285	ESE	8.9	801	305	SE	4.0
1,890	215	NE	12.0	216	286	ESE	7.4	216	278	E	14.3	990	295	ESE	4.2
2,070	209	NNE	12.0	414	291	ESE	7.2	414	263	E	12.6	1,170	254	ENE	3.0
2,250	199	NNE	13.2	612	324	SE	4.9	612	231	NE	10.8	1,350	218	NE	3.3
2,430	203	NNE	14.3	801	335	SSE	6.3	801	215	NE	9.8	1,530	218	NE	3.8
2,610	213	NNE	14.5	990	332	SSE	6.8	990	210	NNE	7.4	1,710	229	NE	3.0
2,790	214	NE	14.2					1,170	214	NE	7.5	1,890	249	ENE	2.0
Disappearance: Distance.				Disappearance: Entered St, 990 m.				2,070	214	NE	7.5	2,070	281	E	2.2
No. 437. Apr. 9, 1934; 8h 16m. Clouds: 5 Ci NNE, 4 ASt NE. Vis.: 6				No. 441. Apr. 10, 1934; 19h 06m. Clouds: 5 St E				1,350	224	NE	8.2	2,250	300	ESE	2.9
Surface	256	ENE	2.7	Surface	265	E	1.3	1,530	225	NE	9.4	2,430	306	SE	3.5
216	245	ENE	8.8	216	322	SE	9.0	1,710	228	NE	10.1	2,610	312	SE	3.8
414	223	NE	8.4	414	324	SE	6.7	1,890	233	NE	10.5	2,790	316	SE	4.4
612	224	NE	8.9	Disappearance: Lost from field.				2,070	234	NE	10.2	2,970	321	SE	4.7
801	227	NE	10.3	No. 442. Apr. 11, 1934; 8h 16m. Clouds: 10 St NNE. Vis.: 5				2,250	236	NE	7.2	3,150	331	SSE	5.8
990	227	NE	13.6	Surface	313	SE	1.8	2,430	224	NE	7.2	3,330	319	SE	6.8
1,170	227	NE	15.5	216	294	ESE	7.1	2,610	220	NE	4.7	3,510	301	ESE	6.9
1,350	233	NE	14.8	414	286	ESE	8.0	2,790	218	NE	5.8	3,690	293	ESE	7.5
1,530	244	ENE	14.8	612	261	E	7.5	2,970	220	NE	6.3	4,050	289	ESE	8.0
1,710	245	ENE	14.7	801	252	ENE	8.7	3,150	220	NE	6.7	4,230	282	ESE	8.8
1,890	240	ENE	15.5	990	259	E	8.0	3,330	223	NE	18.5	4,410	280	E	9.7
2,070	236	NE	16.3	1,170	263	E	8.0	3,510	220	NE	19.5	4,590	279	E	9.2
2,250	233	NE	17.0	1,350	259	E	7.7	3,690	215	NE	20.5	4,770	275	E	8.0
2,430	232	NE	17.2	1,530	251	ENE	8.5	3,870	216	NE	20.6	4,950	276	E	7.8
2,610	231	NE	18.5	1,710	242	ENE	8.3	Disappearance: Distance				5,130	276	E	7.4
2,790	227	NE	18.8	1,890	223	NE	7.0	No. 445. Apr. 12, 1934; 8h 23m. Clouds: 8 CiSt E. Vis.: 6				5,310	273	E	6.6
2,970	223	NE	17.2	2,070	213	NNE	6.8	Surface	7	S	3.1	5,490	272	E	6.5
3,150	221	NE	17.2	Disappearance: Entered St, 2,070 m.				216	304	SE	8.8	5,670	272	E	5.3
3,330	223	NE	18.5	No. 443. Apr. 11, 1934; 15h 02m. Clouds: 10 ASt ENE. Vis.: 5				414	305	SE	8.5	5,850	283	ESE	5.5
3,510	220	NE	19.5	Surface	332	SSE	1.8	612	326	SE	6.7	6,030	286	ESE	7.3
3,690	215	NE	20.5	216	290	ESE	16.3	801	346	SSE	6.8	6,210	281	E	7.4
3,870	216	NE	20.6	414	284	ESE	16.5	990	339	SSE	6.6	6,390	277	E	6.8
Disappearance: Distance.				612	281	E	11.3	1,170	324	SE	6.8	6,570	264	E	7.5
No. 438. Apr. 9, 1934; 14h 15m. Clouds: 10 St NE. Vis.: 6				801	277	E	10.0	1,350	320	SE	6.1	6,750	260	E	8.4
Surface	274	E	1.8	990	275	E	8.5	1,530	311	SE	5.2	6,930	256	ENE	8.0
216	237	ENE	3.6	1,170	269	E	8.1	1,710	316	SE	5.3	7,110	251	ENE	7.4
414	214	NE	2.6	1,350	264	E	9.3	1,890	325	SE	6.2	7,290	251	ENE	6.8
Disappearance: Entered St, 414 m.				1,530	260	E	11.0	2,070	318	SE	6.0	7,470	253	ENE	6.0
No. 439. Apr. 10, 1934; 8h 01m. Clouds: 10 St ENE				1,710	262	E	12.5	2,250	314	SE	5.4	7,650	253	ENE	5.4
Surface	290	ESE	2.7	1,890	269	E	13.6	2,430	319	SE	5.4	Disappearance: Entered CiSt, 7,650 m.			
216	284	ESE	7.8	2,070	272	E	14.7	2,610	309	SE	6.8	No. 447. Apr. 12, 1934; 20h 12m. Clouds: 0. Vis.: 7			
414	276	E	6.7	2,250	274	E	14.5	2,790	295	ESE	7.1	Surface	4	S	0.9
612	281	E	3.2	2,430	273	E	13.5	2,970	293	ESE	7.3	216	318	SE	5.3
801	273	E	3.2	2,610	269	E	12.4	3,150	289	ESE	7.5	414	311	SE	6.3
990	261	E	3.1	2,790	256	ENE	12.7	3,330	275	E	7.1	612	316	SE	3.8
1,170	249	ENE	3.6	3,150	243	ENE	13.0	3,510	258	ENE	6.8	801	340	SSE	2.2
1,350	246	ENE	4.0	3,330	238	ENE	12.0	3,690	263	E	6.1	990	350	S	0.8
Disappearance: Entered St, 1,350 m.				Disappearance: Entered ASt, 3,150 m.				3,870	282	ESE	5.4	1,170	11	S	0.7
								4,050	279	E	7.4	1,350	24	SSW	1.7
								4,230	279	E	9.7	1,530	20	SSW	1.5
								4,410	287	ESE	9.8	1,710	19	SSW	2.3
								4,590	281	E	8.5	1,890	354	S	2.7
								4,770	272	E	8.6	2,070	313	SE	2.2
								4,950	273	E	8.6	2,250	306	SE	2.8
								5,130	277	E	8.0	2,430	309	SE	3.8
								Disappearance: Entered CiSt 5,130 m.				2,610	304	SE	5.0
								No. 446. Apr. 12, 1934; 14h 14m. Clouds: 8 CiSt ENE. Vis.: 7				2,790	291	ESE	6.0
								Surface	7	S	1.8	2,970	281	E	6.4
								216	301	ESE	7.5	3,150	267	E	6.7
								414	294	ESE	8.0	3,330	258	ENE	5.7
								612	295	ESE	4.8	3,510	275	E	4.0
												3,690	293	ESE	4.1
												3,870	306	SE	4.6
												4,050	317	SE	5.5
												4,230	306	SE	6.5

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 447—Continued				No. 451. Apr. 14, 1934; 7h 45 m. Clouds: Few St ESE. Vis.: 6				No. 452—Continued				No. 455—Continued			
4,410	301	ESE	7.4	Surface	275	E	6.7	2,790	299	ESE	7.2	2,610	286	ESE	6.8
4,590	309	SE	7.7	216	289	ESE	10.3	2,970	296	ESE	7.1	2,790	273	E	5.0
4,770	306	SE	7.8	414	291	ESE	6.0	3,150	294	ESE	7.5	2,970	238	ENE	3.0
4,950	294	ESE	7.8	612	331	SSE	2.2	3,330	293	ESE	8.2	3,150	221	NE	2.5
5,130	292	ESE	6.5	801	10	S	2.7	3,510	296	ESE	10.6	3,330	212	NNE	2.5
5,310	294	ESE	5.8	990	359	S	3.6	3,690	301	ESE	11.3	3,510	203	NNE	2.8
5,490	282	ESE	6.0	1,170	356	S	3.3	3,870	303	ESE	11.0	3,690	199	NNE	3.0
5,670	270	E	5.0	1,350	348	SSE	2.7	4,050	302	ESE	10.8	3,870	204	NNE	4.5
5,850	268	E	4.5	1,530	327	SSE	3.5	4,230	300	ESE	10.2	4,050	201	NNE	5.7
Disappearance: Candle out (?)				1,710	319	SE	5.5	4,410	301	ESE	8.3	4,230	189	N	6.5
No. 448. Apr. 13, 1934; 8h 06m. Clouds: Few CiSt ESE. Vis.: 7				1,890	311	SE	7.2	4,590	302	ESE	7.5	4,410	183	N	8.5
Surface	10	S	1.8	2,070	303	ESE	7.2	4,770	300	ESE	6.7	4,590	179	N	8.8
216	309	SE	6.0	2,250	300	ESE	7.3	4,950	294	ESE	5.5	4,770	168	NNW	9.4
414	311	SE	4.8	2,430	304	SE	7.0	5,130	298	ESE	4.5	4,950	169	N	9.2
612	300	ESE	2.8	2,610	298	ESE	6.8	5,310	298	ESE	4.5	5,130	176	N	9.0
801	281	E	2.0	2,790	293	ESE	6.5	5,490	300	ESE	5.0	5,310	176	N	10.7
990	278	E	1.7	2,970	302	ESE	6.2	5,670	299	ESE	5.4	5,490	177	N	8.8
1,170	301	ESE	1.8	3,150	301	ESE	6.8	Disappearance: Distance.				5,670	174	N	7.3
1,350	311	SE	2.2	3,330	299	ESE	7.3	No. 453. Apr. 14, 1934; 20h 09m. Clouds: 0. Lt. shal- low fog. Vis.: 3				5,850	167	NNW	9.5
1,530	308	SE	3.0	3,510	303	ESE	8.2	Surface	307	SE	3.1	6,030	165	NNW	10.2
1,710	298	ESE	3.1	3,690	305	SE	8.3	216	300	ESE	13.1	6,210	162	NNW	10.2
1,890	299	ESE	3.2	3,870	307	SE	8.7	414	293	ESE	17.2	6,390	156	NNW	9.3
2,070	306	SE	3.0	4,050	308	SE	8.4	612	292	ESE	4.3	6,570	163	NNW	9.2
2,250	311	SE	3.5	4,230	309	SE	8.0	801	290	ESE	9.7	6,750	165	NNW	11.0
2,430	308	SE	5.0	4,410	309	SE	8.2	990	302	ESE	6.6	Disappearance: Candle burned out.			
2,610	305	SE	5.8	4,590	309	SE	8.2	1,170	325	SE	7.3	No. 456. Apr. 16, 1934; 8h 10m. Clouds: 10 ASt E. Vis.: 6			
2,790	298	ESE	5.8	4,770	306	SE	9.3	1,350	319	SE	9.6	Surface	37	SW	3.6
2,970	291	ESE	5.5	4,950	305	SE	8.0	1,530	308	SE	11.3	216	322	SE	7.5
3,150	290	ESE	5.3	5,130	301	ESE	7.2	1,710	308	SE	12.2	414	306	SE	14.0
3,330	292	ESE	5.8	5,310	300	ESE	7.3	Disappearance: Light fog and local smoke.				612	296	ESE	16.3
3,510	294	ESE	6.5	5,490	300	ESE	7.0	No. 454. Apr. 15, 1934; 8h 07m. Clouds: 10 St SE. Lt. fog. Vis.: 3. Lt. drift				801	293	ESE	14.5
3,690	297	ESE	7.0	5,670	301	ESE	6.0	Surface	312	SE	13.0	990	293	ESE	13.2
3,870	299	ESE	7.1	6,030	299	ESE	4.8	216	307	SE	15.5	1,170	293	ESE	10.3
4,050	300	ESE	7.5	6,210	308	SE	5.0	Disappearance: Entered St, 216 m.				1,350	306	SE	8.2
4,230	301	ESE	7.5	6,390	309	SE	4.4	No. 455. Apr. 15, 1934; 18h 25m. Clouds: 0. Lt. fog. Vis.: 3. Lt. drift				1,530	320	SE	9.5
4,410	296	ESE	7.4	6,570	308	SE	4.0	Surface	290	ESE	9.8	1,710	330	SSE	10.5
4,590	295	ESE	7.3	6,750	301	ESE	4.0	216	321	SE	8.5	1,890	326	SE	9.2
4,770	296	ESE	7.0	6,930	290	ESE	5.0	414	319	SE	11.3	2,070	303	ESE	9.8
4,950	292	ESE	6.3	7,110	290	ESE	5.6	612	307	SE	15.2	2,250	294	ESE	10.5
5,130	287	ESE	5.7	7,290	300	ESE	4.5	801	302	ESE	15.7	2,430	281	E	7.2
Disappearance: Background.				7,470	303	ESE	4.3	990	300	ESE	13.5	2,610	265	E	4.5
No. 449. Apr. 13, 1934; 13h 18m. Clouds: 9 St ESE				7,650	304	SE	3.2	1,170	300	ESE	11.2	2,790	265	E	4.2
Surface	307	SE	2.7	7,830	302	ESE	3.5	1,350	304	SE	10.3	Disappearance: Entered ASt, 2,790 m.			
216	289	ESE	4.5	8,010	285	ESE	4.0	1,530	308	SE	11.0	No. 457. Apr. 16, 1934; 14h 17m. Clouds: 10 ASt ESE. Vis.: 2. Lt. drift			
414	283	ESE	5.0	8,190	270	E	3.6	1,710	309	SE	10.5	Surface	292	ESE	8.4
Disappearance: Entered St, 414 m. Low stratus clouds drifting in rapidly from NNE.				Disappearance: Distance.				1,890	309	SE	10.3	216	305	SE	10.5
No. 450. Apr. 13, 1934; 18h 33m. Clouds: 10 St WNW. Vis.: 5				Surface	317	SE	4.9	2,070	306	SE	10.7	414	298	ESE	14.3
Surface	300	ESE	8.0	216	300	ESE	14.0	2,250	295	ESE	10.1	612	285	ESE	13.8
216	275	E	3.7	414	294	ESE	15.0	2,430	294	ESE	9.1	801	278	E	10.7
414	121	WNW	2.8	612	288	ESE	9.3	Disappearance: Entered ASt, 2,250 m.				990	284	ESE	8.5
612	108	WNW	5.0	801	288	ESE	6.2	Surface	290	ESE	9.8	1,170	303	ESE	8.0
Disappearance: Entered St, 12 m.				990	297	ESE	6.3	216	321	SE	8.5	1,350	318	SE	9.7

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 458. Apr. 16, 1934; 20h 12m. Clouds: 10 AS, E. Vis.: 3				No. 459—Continued				No. 461—Continued				No. 463. Apr. 18, 1934; 14h 16m. Clouds: Few Ci ENE. Vis.: 7			
Surface	308	SE	4.9	7,830	203	NNE	9.5	2,430	302	ESE	0.9	Surface	35	SW	2.2
216	303	ESE	11.3	8,010	187	N	10.2	2,610	301	ESE	0.6	216	347	SSE	1.0
414	297	ESE	10.7	8,190	177	N	11.8	2,790	300	ESE	0.5	414	50	SW	1.2
612	284	ESE	7.7	8,370	179	N	15.0	2,970	314	SE	1.1	612	80	W	1.8
801	256	ENE	4.6	8,550	179	N	17.2	3,150	274	E	1.0	801	128	NW	1.7
990	303	ESE	4.7	8,730	177	N	17.0	3,330	283	ESE	1.1	990	158	NNW	2.5
1,170	306	SE	5.0	8,910	175	N	16.8	3,510	294	ESE	1.7	1,170	161	NNW	2.5
1,350	287	ESE	4.7	9,090	175	N	18.0	3,690	300	ESE	2.9	1,350	155	NNW	2.8
1,530	290	ESE	5.7	9,270	173	N	18.7	3,870	301	ESE	2.0	1,530	145	NW	4.2
1,710	297	ESE	6.1	9,450	172	N	19.0	4,050	302	ESE	1.9	1,710	140	NW	4.5
1,890	293	ESE	4.8	9,630	173	N	21.0	4,230	321	SE	2.9	1,890	124	NW	2.5
2,070	282	ESE	4.9	9,810	173	N	22.0	4,410	287	ESE	2.7	2,070	50	SW	1.2
2,250	283	ESE	7.0	Disappearance: Local smoke.				4,590	303	ESE	2.3	2,250	19	SSW	2.0
2,430	290	ESE	8.7	No. 460. Apr. 17, 1934; 14h. Clouds: 1 Ci NNE, 6 CiSt NNE. Vis.: 7				4,770	307	SE	2.3	2,430	21	SSW	2.7
2,610	287	ESE	8.3	Surface	21	SSW	2.2	4,950	304	SE	2.2	2,610	353	S	3.2
2,790	274	E	6.5	216	23	SSW	2.8	5,130	301	ESE	2.2	2,790	325	SE	2.5
2,970	263	E	5.8	414	352	S	3.3	5,310	288	ESE	3.0	2,970	323	SE	3.5
3,150	265	E	5.6	612	332	SSE	4.0	5,490	268	E	3.2	3,150	323	SE	3.2
Disappearance: Entered AS,				801	328	SSE	4.2	5,670	244	ENE	2.6	Disappearance: Bursting.			
3,150 m.				990	70	WSW	1.3	5,850	231	NE	3.4	No. 464. Apr. 18, 1934; 19h 35m. Clouds: 0. Vis.: 7			
No. 459. Apr. 17, 1934; 8h 12m Clouds: Few Ci N or NE. Vis.: 7				1,170	290	ESE	0.1	6,030	202	NNE	4.5	Surface	350	S	1.8
Surface	21	SSW	1.8	1,350	350	S	0.2	6,210	182	N	5.5	216	340	SSE	1.4
216	314	SE	3.7	1,530	167	NNW	1.4	6,390	180	N	5.3	414	212	NNE	1.8
414	324	SE	4.2	1,710	130	NW	1.7	6,570	175	N	4.9	612	179	N	3.7
612	336	SSE	3.5	1,890	138	NW	0.6	6,750	173	N	4.5	801	173	N	5.2
801	323	SE	3.6	2,070	70	WSW	0.4	Disappearance: Candle out (?).				990	179	N	4.9
990	321	SE	3.4	2,250	325	SE	1.5	No. 462. Apr. 18, 1934; 8h 30m. Clouds: 2 Ci ENE Few ACu SE, Few AS SE. Vis.: 7				1,170	181	N	3.8
1,170	345	SSE	2.5	2,430	0	S	2.3	Surface	324	SE	0.9	1,350	171	N	2.3
1,350	14	SSW	2.6	2,610	338	SSE	1.2	216	61	WSW	1.2	1,530	162	NNW	3.8
1,530	25	SSW	2.2	2,790	323	SE	0.7	414	51	SW	2.8	1,710	157	NNW	3.3
1,710	8	S	2.0	2,970	348	SSE	0.8	612	19	SSW	4.0	1,890	177	N	1.6
1,890	352	S	2.7	3,150	351	S	1.0	801	21	SSW	4.2	2,070	252	ENE	1.3
2,070	345	SSE	3.0	3,330	259	E	1.3	990	40	SW	2.8	2,250	275	E	0.9
2,250	322	SE	2.7	3,510	237	ENE	2.4	1,170	104	WNW	2.0	2,430	289	ESE	1.0
2,430	288	ESE	2.7	3,690	244	ENE	2.9	1,350	144	NW	5.2	2,610	314	SE	1.3
2,610	282	ESE	2.8	3,870	233	NE	2.5	1,530	149	NNW	3.4	2,790	333	SSE	2.0
2,790	286	ESE	2.3	4,050	232	NE	3.0	1,710	148	NNW	2.2	2,970	339	SSE	2.6
2,970	308	SE	1.8	4,230	230	NE	3.8	1,890	162	NNW	1.0	3,150	336	SSE	2.7
3,150	328	SSE	0.7	4,410	226	NE	5.0	2,070	172	N	1.0	3,330	328	SSE	3.0
3,330	146	NW	1.3	4,590	217	NE	6.2	2,250	290	ESE	1.4	3,510	338	SSE	3.0
3,510	152	NNW	2.8	4,770	215	NE	6.2	2,430	304	SE	2.5	3,690	330	SSE	2.8
3,690	155	NNW	3.0	4,950	221	NE	6.1	2,610	298	ESE	3.5	3,870	299	ESE	2.5
3,870	171	N	3.0	5,130	217	NE	6.5	2,790	295	ESE	2.1	4,050	298	ESE	1.7
4,050	178	N	3.2	5,310	212	NNE	6.2	2,970	310	SE	2.3	4,230	312	SE	1.8
4,230	177	N	3.0	5,490	212	NNE	5.8	3,150	302	ESE	2.2	4,410	307	SE	2.4
4,410	171	N	3.9	Disappearance: Entered CiSt, 5,490 m.				3,330	303	ESE	3.7	4,590	308	SE	3.5
4,590	165	NNW	4.8	No. 461. Apr. 17, 1934; 19h 53m. Clouds: 0. Vis.: 7				3,510	304	SE	4.4	4,770	305	SE	3.8
4,770	158	NNW	4.9	Surface	2	S	1.8	3,690	307	SE	4.3	4,950	311	SE	4.5
4,950	157	NNW	4.5	216	15	SSW	4.7	3,870	322	SE	4.4	5,130	310	SE	5.0
5,130	162	NNW	4.9	414	15	SSW	5.4	4,050	321	SE	4.6	5,310	309	SE	5.3
5,310	173	N	5.3	612	18	SSW	4.2	4,230	313	SE	4.4	5,490	313	SE	4.8
5,490	168	NNW	5.5	801	81	W	1.8	4,410	307	SE	4.1	5,670	311	SE	5.3
5,670	162	NNW	5.8	990	97	W	3.1	4,590	305	SE	4.0	5,850	311	SE	6.0
5,850	168	NNW	6.2	1,170	121	WNW	2.9	4,770	314	SE	4.0	6,030	323	SE	6.0
6,030	172	N	6.3	1,350	114	WNW	3.0	4,950	313	SE	3.7	6,210	328	SSE	6.4
6,210	168	NNW	6.3	1,530	108	WNW	2.2	5,130	295	ESE	3.5	6,390	324	SE	6.4
6,390	173	N	7.5	1,710	115	WNW	1.5	5,310	282	ESE	3.5	Disappearance: Candle burnt out (?).			
6,570	176	N	7.8	1,890	125	NW	1.2	5,490	279	E	2.8				
6,750	174	N	6.2	2,070	107	WNW	0.9	5,670	263	E	2.6				
6,930	194	NNE	4.7	2,250	12	SSW	0.2	5,850	255	ENE	3.4				
7,110	225	NE	4.6					Disappearance: Entered Ci							
7,290	232	NE	5.2					5,850 m.							
7,470	226	NE	6.8												
7,650	215	NE	8.6												

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 465. Apr. 19, 1934; 8h 20m. Clouds: 10 St E. Vis: 5.				No. 469—Continued				No. 473. Apr. 22, 1934; 8h 18m. Clouds: 10 St NNW. Vis.: 4. Lt. snow				No. 477. Apr. 24, 1934; 19h 40m. Clouds: 4 ASt NE. Vis.: 5			
Surface	12	SSW	3.6	801	228	NE	1.1	Surface	337	SSE	3.6	Surface	286	ESE	8.0
216	295	ESE	4.2	990	198	NNE	3.5	216	281	E	2.2	216	276	E	6.5
414	272	E	6.5	1,170	196	NNE	4.6	414	180	N	2.5	414	257	ENE	5.1
Disappearance: Entered St, 414 m.				1,350	203	NNE	5.0	612	164	NNW	3.0	612	244	ENE	5.7
No. 466. Apr. 19, 1934; 14h 15m. Clouds: 10 St NNE. Vis.: 6				1,530	218	NE	7.5	801	156	NNW	2.5	801	223	NE	5.0
Surface	1	S	4.5	1,710	224	NE	11.0	Disappearance: Entered St, 801 m.				990	197	NNE	4.5
216	279	E	6.2	1,890	227	NE	10.5	No. 474. Apr. 22, 1934; 12h 27m. Clouds: 10 St NNW. Vis.: 5. Lt. snow				1,170	165	NNW	3.8
414	231	NE	5.0	2,070	228	NE	6.0	Surface	4	S	3.6	1,350	139	NW	1.8
612	210	NNE	5.5	2,250	226	NE	2.0	216	308	SE	1.4	1,530	130	NW	1.3
706	207	NNE	5.0	Disappearance: Entered St, 414 m.				414	137	NW	1.7	1,710	162	NNW	1.2
Disappearance: Entered St, 706 m.				No. 470. Apr. 21, 1934; 8h 27m. Clouds: 10 St ESE. Vis.: 3. Lt. snow				612	147	NNW	1.5	1,890	248	ENE	1.2
No. 467. Apr. 19, 1934; 20h 07m. Clouds: 10 St SE. Vis.: 5				Surface	298	ESE	2.2	801	156	NNW	0.8	2,070	305	SE	1.7
Surface	1	S	2.7	216	291	ESE	7.3	895	160	NNW	0.8	2,250	305	SE	0.7
216	311	SE	8.5	414	301	ESE	7.0	Disappearance: Entered St, 895 m.				2,430	240	ENE	0.8
414	323	SE	5.0	Disappearance: Entered St, 414 m.				No. 475. Apr. 22, 1934; 20h 02m. Clouds: 0. Vis: 6				2,610	222	NE	3.0
612	324	SE	3.3	No. 471. Apr. 21, 1934; 13h 15m. Clouds: 10 ASt NNE. Vis.: 5				Surface	17	SSW	1.8	2,790	216	NE	4.5
801	318	SE	4.0	Surface	342	SSE	3.1	216	136	NW	4.0	Disappearance: Entered ASt (?), 2,790 m. 13h 56m; bal- loon entered St at 200 m. Cloud direction ENE; visibility 4. Lt. snow and lt. drift.			
Disappearance: Entered St, 801 m.				216	288	ESE	6.5	414	133	NW	6.5	No. 478. Apr. 25, 1934; 8h 08m. Clouds: 10 St N. Vis.: 4. Lt. drift and lt. snow			
No. 468. Apr. 20, 1934; 11h 41m. Clouds: 10 ASt N. Vis.: 5				414	286	ESE	4.4	612	130	NW	7.3	Surface	173	N	8.9
Surface	295	ESE	7.6	612	301	ESE	2.8	801	134	NW	7.2	216	174	N	14.3
216	300	ESE	13.6	801	301	ESE	4.3	990	135	NW	7.6	414	171	N	14.6
414	291	ESE	13.6	990	297	ESE	5.5	1,170	132	NW	7.6	612	171	N	13.5
612	304	SE	10.2	1,170	291	ESE	5.0	1,350	126	NW	8.0	801	175	N	12.3
801	307	SE	8.9	1,350	291	ESE	4.1	1,530	128	NW	8.8	Disappearance: Entered St, 801 m.			
990	291	ESE	9.5	1,530	291	ESE	3.2	1,710	134	NW	9.2	No. 479. Apr. 25, 1934; 14h 10m. Clouds: 5 CiSt N, 5 St NNE. Vis.: 5.			
1,170	278	E	12.1	1,710	276	E	2.1	2,070	141	NW	8.3	Surface	195	NNE	5.8
1,350	267	E	12.0	1,890	261	E	2.2	2,250	149	NNW	8.6	216	199	NNE	9.3
1,530	254	ENE	11.3	2,070	260	E	2.6	2,430	150	NNW	9.5	414	196	NNE	10.4
1,710	244	ENE	12.8	2,250	235	NE	2.6	2,610	146	NW	9.5	612	193	NNE	11.5
1,890	239	ENE	13.8	2,430	212	NNE	2.9	2,790	134	NW	10.2	Disappearance: Entered St, 612 m.			
2,070	235	NE	11.5	2,610	213	NNE	2.5	2,970	127	NW	11.8	No. 480. Apr. 25, 1934; 20h 10m. Clouds: 7 ASt NE. Vis.: 5. Lt. drift and lt. snow			
2,250	213	NNE	6.0	Disappearance: Entered ASt, 2,610 m.				3,150	129	NW	12.0	Surface	254	ENE	5.8
2,430	171	N	3.5	No. 472. Apr. 21, 1934; 20h 15m. Clouds: 0. Vis.: 4. Ice crystals falling				3,330	131	NW	12.2	216	226	NE	10.8
Disappearance: Entered ASt, 2,430 m.				Surface	340	SSE	3.1	Disappearance: (?).				414	221	NE	13.6
No. 469. Apr. 20, 1934; 18h 53m. Clouds: 4 ASt NE. Vis.: 3. Lt. snow.				216	282	ESE	3.6	No. 476. Apr. 24, 1934; 6h 46m. Clouds: 10 ASt E. Vis.: 5. Vy. lt. drift and lt. snow				612	216	NE	14.4
Surface	11	S	4.5	414	208	NNE	1.2	Surface	270	E	8.0	801	209	NNE	13.8
216	292	ESE	8.3	612	143	NW	1.7	216	250	ENE	10.4	990	210	NNE	11.5
414	287	ESE	7.7	801	136	NW	1.5	414	229	NE	11.5	1,170	222	NE	9.9
612	282	ESE	3.8	990	239	ENE	0.1	612	226	NE	11.2	1,350	230	NE	10.1
Disappearance: Poor visibil- ity due to falling ice crystals.				1,170	240	ENE	0.3	801	241	ENE	10.5	1,530	229	NE	11.9
				1,350	280	E	0.8	990	253	ENE	11.8	1,710	225	NE	13.7
				1,530	296	ESE	2.2	1,170	264	E	15.5	1,890	223	NE	13.6
				1,710	280	E	2.1	1,350	274	E	16.7	Disappearance: Entered ASt, 1,890 m.			
				1,890	234	NE	1.9	1,530	271	E	12.2				
				2,070	184	N	2.4	1,710	264	E	8.2				
				2,250	168	NNW	3.3	1,890	268	E	7.3				
				Disappearance: Entered ASt, 2,070 m.				2,070	271	E	7.0				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 481. Apr. 26, 1934; 9h. Clouds: 10 St NE. Vis.: 5. Lt. drift and lt. snow															
Surface	287	ESE	10.3	Surface	4	S	3.6	Surface	213	NNE	6.3	Surface	23	SSW	2.2
216	280	E	9.9	216	300	ESE	6.2	216	193	NNE	10.0	216	3	S	9.5
414	269	E	7.4	414	290	ESE	5.6	414	183	N	9.9	414	359	S	11.5
612	259	E	5.3	612	288	ESE	3.7	612	185	N	10.7	612	6	S	11.4
801	242	ENE	5.1	801	270	E	3.4	801	184	N	11.1	801	334	SSE	12.4
990	226	NE	5.0	990	272	E	2.6	990	183	N	11.0	990	326	SE	13.5
Disappearance: Entered St, 990 m.				1,170	271	E	3.0	1,170	187	N	10.9	1,170	344	SSE	12.6
No. 482. Apr. 26, 1934; 14h 27m. Clouds: 9 StCu SE. Vis.: 6. Lt. drift				1,350	264	E	3.8	1,350	184	N	11.3	1,350	348	SSE	13.5
Surface	273	E	8.5	1,530	241	ENE	4.9	1,530	177	N	11.6	1,530	350	S	14.5
216	288	ESE	10.4	1,710	220	NE	5.4	1,710	178	N	12.4	1,710	351	S	13.4
414	300	ESE	6.8	1,890	214	NE	5.4	1,890	175	N	12.9	1,890	353	S	12.0
612	334	SSE	3.1	Disappearance: Entered St, 1,890 m.				Disappearance: (?).				Disappearance: Background.			
801	340	SSE	1.5	No. 485. Apr. 27, 1934; 12h 32m. Clouds: 10 St E. Vis.: 6				No. 489. Apr. 29, 1934; 19h 30m. Clouds: 2 CiSt. Lt. drift, lunar halo				No. 492. Apr. 30, 1934; 20h 34m. Clouds: 0. Vis.: 7			
990	348	SSE	1.5	Surface	0	S	3.1	Surface	281	E	9.8	Surface	23	SSW	6.3
1,170	335	SSE	1.3	216	287	ESE	9.7	216	282	ESE	11.0	216	4	S	8.5
1,265	321	SE	1.8	414	269	E	9.8	414	289	ESE	4.1	414	354	S	12.4
Disappearance: Entered StCu, 1,265 m.				612	259	E	6.7	612	11	S	2.3	612	357	S	14.0
No. 483. Apr. 26, 1934; 19h 19m. Clouds: 1 ACu SE, 2 StCu ESE. Vis.: 7				801	270	E	4.6	801	51	SW	2.5	801	1	S	13.0
Surface	269	E	7.2	990	264	E	4.2	990	47	SW	2.2	990	6	S	13.0
216	282	ESE	10.3	1,170	259	E	5.7	1,170	306	SE	1.4	1,170	6	S	14.4
414	290	ESE	5.2	1,350	264	E	5.3	1,350	266	E	4.7	1,350	5	S	15.5
612	320	SE	4.4	1,530	267	E	5.5	1,530	245	ENE	7.8	1,530	6	S	14.8
801	311	SE	4.2	Disappearance: Entered St, 1,530 m.				1,710	239	ENE	12.0	1,710	5	S	13.5
990	284	ESE	2.1	No. 486. Apr. 27, 1934; 19h 40m. Clouds: 10 St E. Lt. drift, lt. snow				1,890	242	ENE	13.9	1,890	5	S	12.6
1,170	299	ESE	2.5	Surface	288	ESE	8.9	2,070	245	ENE	14.0	2,070	4	S	11.8
1,350	300	ESE	4.9	216	265	E	7.7	2,250	243	ENE	14.0	2,250	2	S	11.3
1,530	293	ESE	6.0	414	240	ENE	6.8	2,430	239	ENE	14.1	2,430	2	S	11.0
1,710	290	ESE	6.0	612	236	NE	6.6	2,610	233	NE	13.1	2,610	1	S	11.0
1,890	291	ESE	6.8	801	244	ENE	6.6	2,790	233	NE	11.8	2,790	2	S	11.5
2,070	292	ESE	6.5	990	251	ENE	8.9	2,970	228	NE	11.2	2,970	7	S	9.8
2,250	293	ESE	6.1	1,170	257	ENE	9.5	3,150	218	NE	12.2	3,150	10	S	8.0
2,430	305	SE	6.0	1,350	262	E	8.8	3,330	214	NE	13.4	Disappearance: Distance. Bright moonlight.			
2,610	322	SE	6.1	Disappearance: Entered St, 1,350 m.				3,510	210	NNE	12.3	No. 493. May 1, 1934; 8h 30m. Clouds: 9 ASst SSW, 1 St S			
2,790	326	SE	6.6	No. 487. Apr. 28, 1934; 7h 53m. Clouds: 10 St NE. Vis.: 5				3,690	210	NNE	11.5	Surface			
2,970	322	SE	7.5	Surface	271	E	6.7	Disappearance: Drifting snow.				216	34	SW	2.2
3,150	318	SE	9.0	216	224	NE	9.0	No. 490. Apr. 30, 1934; 8h 32m. Clouds: Few Ci NNE. Vis.: 7				315	16	SSW	9.0
3,330	316	SE	9.9	414	214	NE	10.8	Surface	356	S	6.7	Disappearance: Entered St, 315 m.			
3,510	319	SE	9.4	612	219	NE	10.7	216	309	SE	8.4	No. 494. May 1, 1934; 14h 10m. Clouds: Few StCu SSW. Vis.: 7			
3,690	328	SSE	8.5	801	223	NE	10.0	414	303	ESE	12.2	Surface	45	SW	1.8
3,870	317	SE	8.0	990	224	NE	9.8	612	297	ESE	13.8	216	28	SSW	12.0
4,050	302	ESE	7.0	Disappearance: Entered St, 990 m.				801	296	ESE	13.0	414	25	SSW	15.8
4,230	307	SE	6.5	Disappearance: Distance. Bright moonlight.				990	300	ESE	11.8	612	24	SSW	18.6
4,410	310	SE	5.1	No. 488. Apr. 28, 1934; 20h 01m. Clouds: 2 Ci. Vis.: 6				1,170	308	SE	10.7	801	25	SSW	21.5
4,590	328	SSE	4.9	Surface	271	E	6.7	1,350	317	SE	10.5	990	26	SSW	19.5
4,770	332	SSE	5.1	216	224	NE	9.0	1,530	320	SE	10.5	1,170	25	SSW	15.7
4,950	327	SSE	5.0	414	214	NE	10.8	1,710	332	SSE	10.7	1,350	28	SSW	13.2
Disappearance: Distance. Bright moonlight.				612	219	NE	10.7	1,890	343	SSE	11.0	1,530	29	SSW	12.7
No. 481. Apr. 26, 1934; 9h. Clouds: 10 St NE. Vis.: 5. Lt. drift and lt. snow				801	223	NE	10.0	2,070	344	SSE	11.0	Disappearance: (?).			
Surface	287	ESE	10.3	990	224	NE	9.8	Disappearance: (?).				Disappearance: (?).			
216	280	E	9.9	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
414	269	E	7.4	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
612	259	E	5.3	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
801	242	ENE	5.1	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
990	226	NE	5.0	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
Disappearance: Entered St, 990 m.				Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
No. 482. Apr. 26, 1934; 14h 27m. Clouds: 9 StCu SE. Vis.: 6. Lt. drift				Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
Surface	273	E	8.5	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
216	288	ESE	10.4	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
414	300	ESE	6.8	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
612	334	SSE	3.1	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
801	340	SSE	1.5	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
990	348	SSE	1.5	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
1,170	335	SSE	1.3	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
1,265	321	SE	1.8	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
Disappearance: Entered StCu, 1,265 m.				Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
No. 483. Apr. 26, 1934; 19h 19m. Clouds: 1 ACu SE, 2 StCu ESE. Vis.: 7				Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
Surface	269	E	7.2	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
216	282	ESE	10.3	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
414	290	ESE	5.2	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
612	320	SE	4.4	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
801	311	SE	4.2	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
990	284	ESE	2.1	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
1,170	299	ESE	2.5	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
1,350	300	ESE	4.9	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
1,530	293	ESE	6.0	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
1,710	290	ESE	6.0	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
1,890	291	ESE	6.8	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
2,070	292	ESE	6.5	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
2,250	293	ESE	6.1	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
2,430	305	SE	6.0	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
2,610	322	SE	6.1	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
2,790	326	SE	6.6	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
2,970	322	SE	7.5	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
3,150	318	SE	9.0	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
3,330	316	SE	9.9	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
3,510	319	SE	9.4	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
3,690	328	SSE	8.5	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
3,870	317	SE	8.0	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
4,050	302	ESE	7.0	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
4,230	307	SE	6.5	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
4,410	310	SE	5.1	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
4,590	328	SSE	4.9	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
4,770	332	SSE	5.1	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
4,950	327	SSE	5.0	Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			
Disappearance: Distance. Bright moonlight.				Disappearance: Entered St, 990 m.				Disappearance: (?).				Disappearance: (?).			

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 494—Continued				No. 497—Continued				No. 500—Continued				No. 503—Continued			
1,710	28	SSW	12.8	990	47	SW	5.4	2,610	4	S	3.7	990	344	SSE	11.5
1,890	29	SSW	13.0	1,170	37	SW	6.8	2,790	22	SSW	3.0	1,170	346	SSE	12.0
2,070	33	SSW	12.2	1,350	30	SSW	7.8	2,970	40	SW	2.5	1,350	348	SSE	11.2
2,250	31	SSW	12.0	1,530	28	SSW	6.6	3,150	60	WSW	2.5	1,530	352	S	9.7
2,430	31	SSW	13.5	1,710	35	SW	5.8					1,710	0	S	9.3
2,610	33	SSW	14.5	1,890	39	SW	6.1	Disappearance: Frost on lens (?).				1,890	8	S	9.1
2,790	32	SSW	16.0	2,070	32	SSW	6.5	No. 501. May 4, 1934; 14h 15m. Clouds: 0. Vis.: 7				2,070	8	S	9.0
Disappearance: Distance.				2,250	24	SSW	7.7					Disappearance: Frost on lens (?).			
No. 495. May 1, 1934; 18h 53m. Clouds: 2 ACu SSW, 4 ASst SSW. Vis.: 7				2,430	22	SSW	8.0					No. 504. May 5, 1934; 15h. Clouds: 9 St S			
Surface	33	SSW	7.2	2,610	28	SSW	6.8	Surface	343	SSE	1.9	Surface	325	SE	0.9
216	22	SSW	13.0	2,790	20	SSW	16.0	216	296	ESE	12.8	216	321	SE	4.2
414	20	SSW	16.0	2,970	17	SSW	11.5	414	295	ESE	12.8	414	333	SSE	8.0
612	17	SSW	11.5	3,150	10	S	8.5	801	300	ESE	11.6	612	340	SSE	10.5
801	16	SSW	9.0	1,170	29	SSW	11.9	990	301	ESE	13.7	801	346	SSE	10.3
990	16	SSW	9.0	1,350	32	SSW	14.2	1,170	302	ESE	12.5	990	355	S	10.6
1,170	29	SSW	11.9	1,530	32	SSW	15.2	1,350	304	SE	11.2	1,170	1	S	9.2
1,350	32	SSW	14.2	1,710	35	SW	16.0	Disappearance: Frost on lens.				1,350	2	S	9.0
1,530	32	SSW	15.2	1,890	36	SW	15.3	No. 502. May 4, 1934; 19h 10m. Clouds: 0. Vis.: 7				Disappearance: Entered St, 1,350 m.			
1,710	35	SW	16.0	2,070	35	SW	15.1	Surface	324	SE	2.2	No. 505. May 5, 1934; 16h (?). Clouds: 2 CiSt (WNW?). Vis.: 7			
2,070	35	SW	15.1	2,250	32	SSW	15.0	216	311	SE	8.9	Surface	275	E	1.3
2,430	30	SSW	14.0	2,430	28	SSW	13.5	414	317	SE	11.0	216	309	SE	3.3
2,610	28	SSW	13.5	2,790	24	SSW	12.2	612	310	SE	16.2	414	324	SE	7.4
2,970	24	SSW	10.6	3,150	34	SW	10.3	801	311	SE	15.8	612	325	SE	9.5
3,150	34	SW	10.3	3,330	35	SW	11.0	990	317	SE	13.3	801	342	SSE	9.2
3,330	35	SW	11.0	Disappearance: Distance.				1,170	333	SSE	12.6	990	351	S	9.4
No. 496. May 2, 1934; 8h 09m. Clouds: 9 ASst S. Vis.: 7				No. 498. May 2, 1934; 19h 33m. Clouds: 10 St NNW. Vis.: 3. Lt. drift.				1,350	340	SSE	11.7	1,170	5	S	9.9
Surface	Calm	-----	Calm	Surface	273	E	8.9	1,530	358	S	10.4	1,350	8	S	9.0
216	35	SW	0.3	216	230	NE	4.0	1,710	339	SSE	10.8	1,530	8	S	8.0
414	73	WSW	2.0	414	154	NNW	4.5	1,890	333	SSE	10.0	1,710	8	S	8.1
612	53	SW	3.1	Disappearance: Entered thin St, 414 m.				2,070	337	SSE	8.8	1,890	9	S	8.0
801	31	SSW	4.2	No. 499. May 4, 1934; 6h 55m. Clouds: 0. Vis.: 7. Ice crystals falling. Lunar corona.				2,250	345	SSE	8.6	2,070	18	SSW	8.1
990	23	SSW	4.5	Surface	310	SE	2.2	2,430	342	SSE	7.7	2,250	22	SSW	8.5
1,170	16	SSW	5.6	216	278	E	6.1	2,610	338	SSE	7.6	2,430	32	SSW	8.5
1,350	18	SSW	7.0	414	290	ESE	5.9	2,790	341	SSE	5.5	2,610	45	SW	7.1
1,530	17	SSW	7.5	612	312	SE	6.3	2,970	342	SSE	6.2	2,790	61	WSW	5.5
1,710	14	SSW	7.4	801	324	SE	7.5	3,150	357	S	6.5	3,150	72	WSW	5.5
1,890	14	SSW	7.2	990	328	SSE	7.8	3,330	5	S	8.0	3,330	84	W	6.5
2,070	14	SSW	7.2	1,170	334	SSE	7.8	3,510	6	S	6.5	3,510	86	W	7.2
2,250	10	S	7.5	1,350	335	SSE	8.0	3,690	18	SSW	5.7	3,690	97	W	8.0
Disappearance: Distance.				1,530	332	SSE	7.3	3,870	39	SW	5.8	3,870	105	WNW	8.4
No. 497. May 2, 1934; 13h 55m. Clouds: Few Ci S. Vis.: 7				1,710	332	SSE	7.7	4,050	50	SW	7.2	4,050	106	WNW	7.4
Surface	242	ENE	3.1	1,890	332	SSE	8.8	4,230	57	WSW	8.5	4,230	104	WNW	7.2
216	174	N	1.6	2,070	334	SSE	7.9	4,410	53	SW	7.0	4,410	104	WNW	6.7
414	91	W	3.4	2,250	343	SSE	7.9	4,590	34	SW	6.7	4,590	108	WNW	6.8
612	75	WSW	5.8	2,430	347	SSE	9.3	4,770	41	SW	7.5	4,770	107	WNW	7.5
801	65	WSW	5.5	Disappearance: Bursting.				4,950	57	WSW	8.0	4,950	104	WNW	8.5
Disappearance: Entered ASst, 2,250 m.				No. 500. May 4, 1934; 8h 50m. Clouds: Few Ci. Vis.: 7				Disappearance: Distance.				5,130	107	WNW	8.0
Surface				Surface	291	ESE	0.9	No. 503. May 5, 1934; 9h. Clouds: 4 CiSt. Vis.: 7				5,310	116	WNW	7.4
216				216	295	ESE	9.0	Surface	21	SSW	1.3	5,490	130	NW	7.7
414				414	305	SE	8.7	216	338	SSE	5.1	5,670	126	NW	9.0
612				612	311	SE	7.5	414	342	SSE	9.5	5,850	111	WNW	11.0
801				801	312	SE	7.5	612	349	S	11.2	6,000	105	WNW	12.0
990				990	316	SE	8.4	801	345	SSE	10.8	Disappearance: Distance.			
1,170				1,170	320	SE	9.7								
1,350				1,350	322	SE	8.7								
1,530				1,530	328	SSE	7.2								
1,710				1,710	332	SSE	7.0								
1,890				1,890	340	SSE	7.5								
2,070				2,070	344	SSE	5.5								
2,250				2,250	345	SSE	5.8								
				2,430	351	S	5.3								

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 506. May 5, 1934; 20h. Clouds: 0. Vis.: 7				No. 508—Continued				No. 510—Continued				No. 512. May 8, 1934; 20h 45m. Clouds: 0. Vis.: 6			
Surface	270	E	3.1	990	275	E	10.7	1,530	308	SE	7.6	Surface	32	SSW	3.1
216	304	SE	3.5	1,170	274	E	9.2	1,710	300	ESE	6.8	216	8	S	3.1
414	315	SE	6.7	1,350	274	E	7.5	1,890	296	ESE	7.3	414	323	SE	7.0
612	325	SE	7.6	1,530	275	E	7.2	2,070	297	ESE	7.4	612	315	SE	10.5
801	337	SSE	8.1	1,710	277	E	7.0	2,250	297	ESE	8.3	801	328	SSE	9.5
990	343	SSE	8.0	1,890	287	ESE	6.2	2,430	299	ESE	8.7	990	340	SSE	9.6
1,170	354	S	7.9	2,070	294	ESE	6.0	2,610	297	ESE	8.0	1,170	337	SSE	9.9
1,350	0	S	8.8	2,250	288	ESE	7.1	2,790	295	ESE	7.7	1,350	334	SSE	9.6
1,530	356	S	7.5	2,430	276	E	7.3	2,970	290	ESE	7.1	1,530	330	SSE	9.8
1,710	355	S	6.1	2,610	268	E	7.3	3,150	276	E	6.0	1,710	324	SE	9.8
1,890	5	S	5.6	2,790	266	E	7.5	3,330	270	E	4.3	1,890	320	SE	10.1
2,070	10	S	5.5	2,970	266	E	7.2	3,510	276	E	3.5	2,070	319	SE	10.1
2,250	21	SSW	5.0	3,150	265	E	6.3	3,690	273	E	2.8	2,250	316	SE	9.8
2,430	33	SSW	4.1	3,330	267	E	4.0	3,870	275	E	2.3	2,430	313	SE	9.7
2,610	23	SSW	4.6	3,510	264	E	2.2	4,050	281	E	1.9	2,610	313	SE	9.3
2,790	43	SW	5.9	3,690	246	ENE	2.0	4,230	281	E	2.4	2,790	311	SE	9.2
2,970	63	WSW	6.2	3,870	254	ENE	2.0	4,410	263	E	3.8	2,970	311	SE	7.7
3,150	69	WSW	5.8	4,050	265	E	2.2	4,590	259	E	4.3	3,150	321	SE	6.0
3,330	81	W	5.8	4,230	262	E	2.5	4,770	264	E	4.0	3,330	336	SSE	4.7
3,510	86	W	5.3	4,410	260	E	2.8	Disappearance: (?).				3,510	338	SSE	3.8
3,690	87	W	5.7	4,590	260	E	3.5	No. 511. May 8, 1934; 14h 45m. Clouds: Few CiSt. Vis.: 6				3,690	326	SE	3.0
3,870	87	W	6.3	4,770	257	ENE	4.2	Surface	27	SSW	3.6	3,870	332	SSE	2.0
4,050	98	W	7.0	4,950	250	ENE	4.3	216	354	S	4.0	4,050	351	S	2.2
4,230	98	W	8.0	5,130	233	NE	3.8	414	340	SSE	8.5	4,230	330	SSE	1.5
4,410	99	W	8.6	5,310	216	NE	4.5	612	310	SE	11.6	4,410	275	E	2.5
4,590	99	W	8.8	5,490	207	NNE	5.0	801	307	SE	10.8	4,590	238	ENE	2.0
4,770	99	W	7.3	Disappearance: Distance.				990	311	SE	9.3	4,770	152	NNW	0.5
4,950	104	WNW	7.5	No. 509. May 7, 1934; 21h 15m. Clouds: 0. Vis.: 6				1,170	319	SE	8.5	4,950	143	NW	0.5
5,130	105	WNW	8.0	Surface	316	SE	3.1	1,350	325	SE	9.0	5,130	205	NNE	1.3
5,310	96	W	9.0	216	302	ESE	12.2	1,530	323	SE	10.2	5,310	238	ENE	1.6
5,490	90	W	10.7	414	301	ESE	7.2	1,710	317	SE	10.5	5,490	222	NE	2.1
5,670	87	W	10.8	612	298	ESE	4.1	1,890	311	SE	10.6	5,670	222	NE	2.8
5,850	84	W	13.8	801	288	ESE	5.6	2,070	307	SE	10.1	5,850	212	NNE	2.3
6,030	84	W	15.8	990	290	ESE	7.5	2,250	302	ESE	8.9	6,030	194	NNE	2.0
Disappearance: Distance.				1,170	292	ESE	8.8	2,430	298	ESE	7.5	6,210	208	NNE	2.5
No. 507. May 6, 1934; 9h. Clouds: 0. Vis.: 4				1,350	287	ESE	9.5	2,610	299	ESE	6.8	6,390	204	NNE	3.2
Surface	289	ESE	8.0	1,530	284	ESE	9.4	2,790	305	SE	6.7	6,570	176	N	4.7
216	304	SE	13.8	1,710	286	ESE	8.7	2,970	315	SE	5.3	6,750	155	NNW	5.0
414	303	ESE	16.0	1,890	286	ESE	8.1	3,150	332	SSE	4.6	6,930	158	NNW	4.6
612	310	SE	15.2	2,070	294	ESE	7.4	3,330	352	S	4.4	7,110	170	N	5.3
801	326	SE	10.7	2,250	289	ESE	8.2	3,510	339	SSE	3.8	7,290	166	NNW	6.0
990	335	SSE	9.2	2,430	284	ESE	9.5	3,690	327	SSE	3.5	7,470	162	NNW	6.3
1,170	323	SE	10.8	2,610	287	ESE	10.0	3,870	289	ESE	2.1	7,650	159	NNW	6.0
1,350	315	SE	9.5	2,790	284	ESE	10.0	4,050	255	ENE	1.6	Disappearance: (?).			
1,530	315	SE	8.2	2,970	283	ESE	9.6	4,230	266	E	0.8	No. 513. May 9, 1934; 9h 02m. Clouds: 0. Lt. shallow. Fog. Vis.: 4			
1,710	321	SE	7.5	3,150	279	E	9.5	4,410	324	SE	1.2	Surface	354	S	6.7
1,890	325	SE	6.0	3,330	277	E	6.0	4,590	98	W	1.0	216	357	S	10.0
2,070	327	SSE	5.9	3,510	279	E	3.8	4,770	111	WNW	0.8	414	343	SSE	9.2
2,250	329	SSE	7.0	3,690	284	ESE	3.5	4,950	133	NW	1.5	612	337	SSE	9.9
2,430	324	SE	7.7	3,870	287	ESE	3.3	5,130	148	NNW	2.5	801	339	SSE	11.2
2,610	320	SE	8.8	Disappearance: Bursting.				5,310	170	N	2.5	990	342	SSE	10.1
Disappearance: Drift and background.				No. 510. May 8, 1934; 9h 10m. Clouds: Few Ci. Vis.: 7				5,490	184	N	2.7	1,170	343	SSE	10.2
No. 508. May 7, 1934; 14h 27m. Clouds: Few CiSt. Vis.: 5				Surface	19	SSW	3.1	5,670	197	NNE	2.3	1,350	340	SSE	10.3
Surface	293	ESE	7.2	216	314	SE	7.8	5,850	189	N	2.1	1,530	340	SSE	9.8
216	289	ESE	9.5	414	304	SE	9.4	6,030	178	N	2.6	Disappearance: Poor visibility.			
414	269	E	5.5	612	303	ESE	6.3	6,210	184	N	2.4				
612	266	E	5.7	801	306	SE	5.8	6,390	181	N	2.1				
801	273	E	8.7	990	307	SE	7.2	6,570	161	NNW	2.3				
				1,170	307	SE	8.6	6,750	142	NW	2.7				
				1,350	307	SE	8.8	6,930	162	NNW	2.6				
				Disappearance: (?).				7,110	162	NNW	3.4				
								7,290	151	NNW	3.7				
								7,470	154	NNW	3.8				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 514. May 9, 1934; 12h. Clouds: 0. Vis.: 5				No. 515—Continued				No. 518. May 11, 1934; 21h 44m. Clouds: 10 St ESE. Vis.: 5. Lt. snow				No. 522. May 13, 1934; 10h 50 m. Clouds: Few Ci SW. Vis.: 7			
Surface	39	SW	7.6	2,610	238	ENE	4.5	Surface	290	ESE	7.6	Surface	301	ESE	7.6
216	356	S	18.7	2,790	236	NE	4.0	216	290	ESE	7.6	216	298	ESE	16.7
414	349	S	21.1	2,970	230	NE	4.2	414	292	ESE	7.5	414	289	ESE	17.5
612	346	SSE	14.3	3,150	227	NE	4.1	612	294	ESE	6.7	612	283	ESE	15.3
801	347	SSE	8.5	3,330	220	NE	3.5	801	293	ESE	6.5	801	284	ESE	12.0
990	353	S	7.7	3,510	219	NE	3.1					990	287	ESE	9.7
1,170	345	SSE	8.5	3,690	209	NNE	3.3	Disappearance: Entered St, 801 m.				1,170	288	ESE	7.7
1,350	349	S	10.4	3,870	204	NNE	3.9	No. 519. May 12, 1934; 9h 55m. Clouds: 9ACu SE. Vis.: 5. Lt. drift.				1,350	291	ESE	4.5
1,530	356	S	11.0	4,050	202	NNE	3.6	Surface	282	ESE	8.9	1,530	301	ESE	3.2
1,710	357	S	10.2	4,230	205	NNE	3.0	216	286	ESE	12.8	1,710	298	ESE	4.7
1,890	344	SSE	8.2	4,410	210	NNE	3.0	414	285	ESE	6.5	1,890	285	ESE	6.1
2,070	334	SSE	6.6	4,590	201	NNE	2.7	612	321	SE	0.9	2,070	280	E	7.1
2,250	336	SSE	6.6	4,770	196	NNE	2.5	801	310	SE	0.8	2,250	279	E	7.7
2,430	341	SSE	7.7	4,950	208	NNE	2.9	990	273	E	2.8	2,430	280	E	7.0
2,610	341	SSE	6.9	5,130	208	NNE	3.2	1,170	265	E	5.3	2,610	293	ESE	6.0
2,790	339	SSE	5.2	5,310	211	NNE	3.3	1,350	285	ESE	5.9	2,790	302	ESE	5.8
2,970	345	SSE	4.3	5,490	225	NE	3.6	1,530	294	ESE	7.1	2,970	301	ESE	5.7
3,150	341	SSE	3.2	5,670	239	ENE	4.0	1,710	297	ESE	9.5	3,150	307	SE	5.0
3,330	317	SE	3.2	5,850	240	ENE	3.8	1,890	303	ESE	11.0	3,330	312	SE	4.0
3,510	304	SE	3.0	6,030	225	NE	3.5	2,070	304	SE	11.2	3,510	309	SE	3.7
3,690	312	SE	3.0	6,210	213	NNE	3.4					3,690	309	SE	3.8
3,870	297	ESE	2.5	6,390	212	NNE	3.2	Disappearance: Entered ACu, 2,070 m.				Disappearance: Drifting snow.			
4,050	297	ESE	2.3	6,570	211	NNE	3.3	No. 520. May 12, 1934; 15h 05m. Clouds: 0. Vis.: 5				No. 523. May 13, 1934; 14h 12m. Clouds: Few Ci. Vis.: 7			
4,230	296	ESE	2.7	6,750	211	NNE	3.5	Surface	343	SSE	2.2	Surface	296	ESE	7.6
4,410	295	ESE	2.7	6,930	211	NNE	3.5	216	288	ESE	10.3	216	297	ESE	17.2
4,590	273	E	2.1	7,110	211	NNE	3.3	414	267	E	7.5	414	294	ESE	18.8
4,770	257	ENE	2.2	7,290	210	NNE	3.4	612	221	NE	3.4	612	298	ESE	13.3
4,950	232	NE	2.1	7,470	210	NNE	3.5	801	220	NE	2.3	801	313	SE	7.0
5,130	219	NE	2.2	7,650	210	NNE	3.5	990	274	E	3.0	990	344	SSE	4.5
5,310	221	NE	2.0	7,830	210	NNE	3.3	1,170	301	ESE	5.1	1,170	346	SSE	4.8
5,490	214	NE	2.3	8,010	208	NNE	3.4	1,350	321	SE	5.4	1,350	330	SSE	4.5
5,670	200	NNE	3.2	8,190	208	NNE	3.5	1,530	324	SE	5.8	1,530	283	ESE	3.0
5,850	182	N	3.4	8,370	208	NNE	3.5	1,710	313	SE	6.5	1,710	245	ENE	4.0
6,030	168	NNW	3.3	8,550	208	NNE	3.3	1,890	314	SE	7.1	1,890	227	NE	5.0
6,210	159	NNW	4.0	8,730	208	NNE	3.7	2,070	312	SE	7.2	2,070	263	E	6.2
6,390	152	NNW	5.3	8,910	203	NNE	3.8	2,250	311	SE	7.6	2,250	265	E	6.0
6,570	151	NNW	5.5	9,090	203	NNE	3.2	2,430	312	SE	8.4	2,430	269	E	5.0
6,750	150	NNW	3.2	9,270	203	NNE	3.5	Disappearance: Local smoke.				2,610	254	ENE	3.5
6,930	151	NNW	4.4	9,450	202	NNE	3.9	No. 521. May 12, 1934; 20h 55m. Clouds: 10 St N. Vis.: 6				Disappearance: Bursting.			
7,110	152	NNW	3.9	9,630	202	NNE	3.8	Surface	302	ESE	4.0	No. 524. May 14, 1934; 10h. Clouds: 10 St ESE. Vis.: 5			
7,290	130	NW	0.7	Disappearance: Distance (?).				216	287	ESE	4.4	Surface	301	ESE	4.0
7,470	40	SW	1.8	No. 516. May 10, 1934; 15h. Clouds: 10 St NNE. Vis.: 5				414	236	NE	3.0	216	305	SE	7.5
7,650	345	SSE	1.9	Surface	287	ESE	4.0	612	209	NNE	3.3	414	296	ESE	9.9
7,830	336	SSE	1.8	216	331	SSE	6.0	801	279	E	4.3	513	288	ESE	10.0
8,010	3	S	3.6	414	186	N	10.0					Disappearance: Entered St, 513 m.			
8,190	344	SSE	4.4	612	195	NNE	14.6	No. 525. May 14, 1934; 21h 03m. Clouds: 10 St SE. Vis.: 5. Lt. snow				No. 525. May 14, 1934; 21h 03m. Clouds: 10 St SE. Vis.: 5. Lt. snow			
8,370	312	SE	5.0	801	206	NNE	15.2	Surface	266	E	7.6	Surface	20	SSW	4.9
Disappearance: Distance (?). Reversal of wind direction aloft.				Disappearance: Entered St, 801 m.				216	229	NE	9.0	216	306	SE	1.5
No. 515. May 10, 1934; 9h. Clouds: Few Ci				No. 517. May 11, 1934; 9h. Clouds: 10 St NNE. Vis.: 3. Lt. drift				414	212	NNE	9.8	414	20	SSW	0.4
Surface	267	E	2.2	Surface	266	E	7.6	Disappearance: Entered St, 414 m.				612	28	SSW	0.5
216	203	NNE	2.4	216	229	NE	9.0	No. 521. May 12, 1934; 20h 55m. Clouds: 10 St N. Vis.: 6							
414	162	NNW	1.2	414	212	NNE	9.8	Surface	302	ESE	4.0				
612	203	NNE	1.5	Disappearance: Entered St, 801 m.				216	287	ESE	4.4				
801	196	NNE	3.5	No. 517. May 11, 1934; 9h. Clouds: 10 St NNE. Vis.: 3. Lt. drift				414	236	NE	3.0				
990	197	NNE	5.3	Surface	266	E	7.6	612	209	NNE	3.3				
1,170	204	NNE	5.5	216	229	NE	9.0	801	279	E	4.3				
1,350	216	NE	4.3	414	212	NNE	9.8	990	175	N	5.7				
1,530	229	NE	3.5	Disappearance: Entered St, 414 m.				1,170	185	N	5.6				
1,710	227	NE	3.0	No. 521. May 12, 1934; 20h 55m. Clouds: 10 St N. Vis.: 6				1,350	188	N	5.8				
1,890	247	ENE	2.8	Disappearance: Entered St, 414 m.				Disappearance: Entered St, 1,350 m.							
2,070	245	ENE	3.1	No. 521. May 12, 1934; 20h 55m. Clouds: 10 St N. Vis.: 6				Disappearance: Entered St, 1,350 m.							
2,250	239	ENE	3.7	Disappearance: Entered St, 414 m.				Disappearance: Entered St, 1,350 m.							
2,430	239	ENE	4.3	No. 521. May 12, 1934; 20h 55m. Clouds: 10 St N. Vis.: 6				Disappearance: Entered St, 1,350 m.							

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 525—Continued				No. 527—Continued				No. 531—Continued				No. 533—Continued			
801	292	ESE	0.8	3,330	318	SE	11.1	2,430	67	WSW	11.8	2,430	6	S	5.0
990	291	ESE	0.4	3,510	319	SE	10.3	2,610	65	WSW	12.0	2,610	5	S	5.3
1,170	320	SE	1.3	3,690	314	SE	9.7	2,790	62	WSW	11.2	2,790	3	S	5.3
1,350	304	SE	2.8	3,870	301	ESE	9.8	2,970	59	WSW	10.2	2,970	356	S	5.6
1,530	305	SE	4.0	4,050	314	SE	9.5	3,150	58	WSW	10.0	3,150	353	S	5.5
1,710	310	SE	5.9	4,230	318	SE	9.1	3,330	58	WSW	9.9	3,330	0	S	5.2
1,890	310	SE	6.8	4,410	325	SE	9.2	3,510	56	SW	9.1	3,510	3	S	5.9
2,070	314	SE	7.1	4,590	330	SSE	10.2	3,690	56	SW	8.5	3,690	7	S	7.1
2,250	313	SE	8.2	4,770	332	SSE	10.2	3,870	57	WSW	7.0	3,870	7	S	7.7
2,430	310	SE	9.5					4,050	58	WSW	6.2	4,050	6	S	7.5
Disappearance: Entered St, 2,430 m.				Disappearance: (?).				Disappearance: Distance.				Disappearance: (?).			
No. 526. May 15, 1934; 9h 30m. Clouds: 3 Ast (ESE?), Few St Cu N. Vis.: 6				No. 528. May 15, 1934; 21h 11m. Clouds: 0. Lt. shallow fog. Vis.: 3				No. 532. May 18, 1934; 21h 10m. Clouds: 0				No. 534. May 19, 1934; 14h 57m. Clouds: 0. Vis.: 7			
Surface	1	S	2.2	Surface	340	SSE	1.3	Surface	35	SW	2.2	Surface	38	SW	3.6
216	240	ENE	1.7	216	187	N	1.5	216	5	S	3.5	216	7	S	6.3
414	170	N	5.5	414	165	NNW	5.5	414	11	S	3.6	414	355	S	5.3
612	160	NNW	7.5	612	170	N	8.0	612	12	SSW	4.2	612	359	S	5.0
801	159	NNW	7.2	801	170	N	8.2	801	10	S	4.4	801	3	S	4.6
990	161	NNW	6.5					990	20	SSW	4.4	990	3	S	5.7
1,170	164	NNW	4.0	Disappearance: Fog. Stars visible overhead.				1,170	28	SSW	4.8	1,170	5	S	7.5
1,350	249	ENE	1.8	No. 529. May 16, 1934; 14h 25m. Clouds: 10 St NNE. Vis.: 5. Lt. snow				1,350	30	SSW	4.4	1,350	14	SSW	8.6
1,530	280	E	3.8	Surface	270	E	4.5	1,530	33	SSW	4.4	1,530	16	SSW	8.5
1,710	280	E	4.0	216	213	NNE	3.8	1,710	41	SW	5.2	1,710	16	SSW	8.4
1,890	294	ESE	5.0	414	198	NNE	4.1	1,890	49	SW	5.6	1,890	15	SSW	8.4
2,070	299	ESE	6.7	612	199	NNE	4.0	2,070	50	SW	5.7	2,070	11	S	7.7
2,250	295	ESE	7.5	Disappearance: Entered St, 612 m.				2,250	52	SW	6.2	2,250	14	SSW	7.5
2,430	299	ESE	6.0	No. 530. May 17, 1934; 15h 15m. Clouds: 10 St NW. Vis.: 5. Snowing				2,430	57	WSW	6.3	2,430	17	SSW	7.4
2,610	313	SE	6.0	Surface	50	SW	2.2	2,610	62	WSW	6.2	2,610	21	SSW	7.8
2,790	319	SE	6.8	216	80	W	3.0	2,790	59	WSW	6.0	2,790	24	SSW	7.7
2,970	319	SE	8.0	414	90	W	3.2	2,970	51	SW	6.0	2,970	33	SSW	6.0
3,150	317	SE	8.1	612	119	WNW	3.5	3,150	44	SW	5.2	3,150	43	SW	6.2
3,330	315	SE	8.2	801	132	NW	4.0	3,330	44	SW	5.0	3,330	39	SW	7.1
3,510	317	SE	9.2	Disappearance: Entered St, 801 m.				3,510	49	SW	5.2	3,510	49	SW	7.5
3,690	313	SE	10.4	No. 531. May 18, 1934; 15h 05m. Clouds: 0. Vis.: 7				3,690	47	SW	4.3	3,690	42	SW	7.7
3,870	305	SE	11.0	Surface	32	SSW	4.5	3,870	39	SW	3.4	4,050	46	SW	7.8
4,050	302	ESE	12.9	216	37	SW	5.5	Disappearance: (?).				4,230	45	SW	7.4
4,230	302	ESE	14.2	414	47	SW	4.7	No. 533. May 19, 1934; 9h 22m. Clouds: 0. Vis.: 7				4,410	43	SW	7.5
Disappearance: Entered ASt, 4,230.				612	57	WSW	6.5	Surface	22	SSW	1.8	4,590	45	SW	7.0
No. 527. May 15, 1934; 15h 52m. Clouds: 0. Lt. haze or fog. Vis.: 5				801	57	WSW	7.5	216	0	S	3.8	4,770	48	SW	6.5
Surface	2	S	1.8	990	52	SW	7.3	414	331	SSE	5.5	4,950	52	SW	7.2
216	225	NE	0.6	1,170	52	SW	8.3	612	330	SSE	8.7	5,130	57	WSW	7.8
414	148	NNW	4.2	1,350	59	WSW	9.9	801	341	SSE	9.4	5,310	58	WSW	9.0
612	153	NNW	6.2	1,530	66	WSW	10.7	990	352	S	9.6	5,490	57	WSW	9.5
801	170	N	7.7	1,710	68	WSW	12.3	1,170	351	S	9.1	5,670	59	WSW	8.4
990	185	N	9.2	1,890	66	WSW	13.0	1,350	349	S	7.9	5,850	61	WSW	8.0
1,170	185	N	6.8	2,070	63	WSW	12.9	1,530	356	S	8.1	Disappearance: Distance.			
1,350	204	NNE	2.7	2,250	64	WSW	12.4	1,710	6	S	7.7	No. 535. May 19, 1934; 21h 13m. Clouds: 0. Vis.: 7			
1,530	306	SE	2.7					1,890	11	S	7.1	Surface	84	W	3.1
1,710	318	SE	4.0					2,070	9	S	7.6	216	53	SW	9.0
1,890	333	SSE	4.8					2,250	10	S	6.4	414	71	WSW	10.7
2,070	299	ESE	6.0									612	78	WSW	11.5
2,250	316	SE	6.5									801	61	WSW	11.5
2,430	312	SE	5.9									990	51	SW	11.6
2,610	325	SE	5.6									1,170	41	SW	11.2
2,790	323	SE	7.3									1,350	43	SW	9.9
2,970	322	SE	8.5									1,530	54	SW	9.4
3,150	321	SE	9.7									1,710	57	WSW	10.2
												1,890	57	WSW	11.1
												2,070	57	WSW	11.7
												2,250	57	WSW	12.9
												2,430	56	SW	14.1

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 535—Continued				No. 538. May 20, 1934; 20h. 45m. Clouds: 0. Vis.: 7				No. 540—Continued				No. 544. May 25, 1934; 9h 10m. Clouds: Few Ci (NE?), Few CiSt (NE?), 1 Ast (N?). Vis.: 7			
2,610	57	WSW	13.2	Surface	35	SW	1.3	1,710	246	ENE	10.1	Surface	186	N	5.8
2,790	61	WSW	13.3	216	71	WSW	6.8	1,890	242	ENE	10.7	216	179	N	9.2
2,970	64	WSW	13.0	414	52	SW	10.0	2,070	233	NE	10.6	414	188	N	8.7
3,150	67	WSW	12.3	612	42	SW	11.7	2,250	227	NE	8.8	612	197	NNE	9.3
3,330	72	WSW	12.8	801	35	SW	12.7	2,430	232	NE	7.6	801	196	NNE	9.6
3,510	71	WSW	12.7	990	30	SSW	14.9	2,610	220	NE	7.5	990	197	NNE	9.5
3,690	79	W	12.6	1,170	29	SSW	16.4	2,790	213	NNE	6.9	1,170	201	NNE	9.3
3,870	84	W	12.5	1,350	31	SSW	17.0	2,970	214	NE	7.1	1,350	204	NNE	9.0
4,050	83	W	12.2	1,530	26	SSW	16.6	3,150	200	NNE	7.0	1,530	202	NNE	8.8
4,230	80	W	12.8	1,710	23	SSW	14.8	3,330	195	NNE	7.6	1,710	201	NNE	8.7
4,410	82	W	12.0	1,890	31	SSW	13.2	3,510	192	NNE	10.8	1,890	203	NNE	7.6
4,590	94	W	9.7	2,070	34	SW	12.0	3,690	181	N	10.7	2,070	200	NNE	9.3
4,770	94	W	10.6	2,250	39	SW	11.0	3,870	176	N	10.8	2,250	200	NNE	12.8
4,950	92	W	11.8	2,430	50	SW	12.0	4,050	179	N	12.5	2,430	198	NNE	11.5
Disappearance: Distance.				2,610	53	SW	11.8	4,230	176	N	13.9	2,610	187	NNE	10.2
No. 536. May 20, 1934; 9h 13m. Clouds: 0				2,790	51	SW	11.0	4,410	172	N	15.0	2,790	176	N	10.9
Surface	59	WSW	2.2	2,970	49	SW	11.5	Disappearance: Drifting snow				2,970	189	N	11.7
216	39	SW	7.7	3,150	47	SW	11.3	No. 541. May 22, 1934; 9h 50m. Clouds: 10 St NNE. Vis.: 6				3,150	179	N	13.7
414	39	SW	7.0	3,330	49	SW	10.5	Surface	211	NNE	8.0	3,330	174	N	13.0
612	42	SW	6.6	3,510	52	SW	10.3	216	205	NNE	12.6	Disappearance: Distance.			
801	41	SW	6.8	3,690	60	WSW	9.6	414	207	NNE	14.1	No. 545. May 25, 1934; 15h 35m. Clouds: 5 St NNE.			
990	43	SW	6.5	3,870	69	WSW	10.0	Disappearance: Entered St, 414 m.				Surface	266	E	3.1
1,170	46	SW	8.8	4,050	73	WSW	11.2	No. 542. May 23, 1934; 9h 55m. Clouds: 10 Ast NNW. Vis.: 7				216	196	NNE	4.5
1,350	42	SW	11.1	4,230	79	W	11.7	Surface				414	188	N	6.0
1,530	38	SW	11.1	4,410	83	W	10.8	216				612	189	N	7.0
1,710	42	SW	11.7	4,590	85	W	10.5	414				801	198	NNE	8.0
1,890	47	SW	12.3	4,770	86	W	11.0	Surface				990	204	NNE	9.0
2,070	48	SW	13.3	Disappearance: Distance.				Disappearance: Entered St, 414 m.				Disappearance: Entered St, 990 m.			
2,250	48	SW	13.7	No. 539. May 21, 1934; 9h 18m. Clouds: 4 StCu NW. Vis.: 6				No. 543. May 24, 1934; 21h 50m. Clouds: 10 St SE. Vis.: 4				No. 546. May 25, 1934; 20h 35m. Clouds: 10 Ast NE. Vis.: 6			
2,430	47	SW	13.9	Surface	244	ENE	4.9	Surface	270	E	2.2	Surface	247	ENE	1.3
2,610	47	SW	14.0	216	186	N	7.5	216	230	NE	0.7	216	274	E	6.8
2,790	48	SW	13.1	414	172	N	6.8	414	150	NNW	4.9	414	258	ENE	5.0
2,970	48	SW	12.2	612	155	NNW	4.5	612	158	NNW	9.3	612	242	ENE	5.3
Disappearance: Candle out (?).				801	101	W	3.6	801	169	N	11.0	801	249	ENE	5.2
No. 537. May 20, 1934; 15h. Clouds: 0. Vis.: 7				990	59	WSW	7.5	990	173	N	11.2	990	262	E	4.8
Surface	40	SW	1.3	1,170	46	SW	11.0	1,170	167	NNW	10.2	1,170	251	ENE	4.8
216	59	WSW	7.4	1,350	43	SW	11.5	1,350	155	NNW	9.6	1,350	228	NE	6.1
414	57	WSW	8.0	1,530	39	SW	10.7	1,530	145	NW	11.2	1,530	213	NNE	8.4
612	60	WSW	7.3	1,710	38	SW	9.4	1,710	145	NW	13.5	1,710	207	NNE	9.7
801	56	SW	8.2	1,890	40	SW	7.0	1,890	147	NNW	14.0	1,890	203	NNE	8.8
990	56	SW	9.4	2,070	42	SW	4.8	2,070	149	NNW	13.0	2,070	204	NNE	8.0
1,170	56	SW	10.0	2,250	56	SW	4.0	2,250	152	NNW	12.0	2,250	205	NNE	7.2
1,350	50	SW	11.2	2,430	102	WNW	2.9	2,430	155	NNW	11.4	2,430	208	NNE	5.9
1,530	46	SW	11.6	2,610	138	NW	5.0	2,610	156	NNW	10.7	2,610	217	NE	5.2
1,710	46	SW	11.6	2,790	148	NNW	6.8	2,790	154	NNW	10.9	Disappearance: Entered Ast, 2,610 m.			
1,890	43	SW	12.3	2,970	154	NNW	7.7	2,970	153	NNW	11.4	No. 547. May 26, 1934; 21h 30m. Clouds: 6 Ast NNE			
2,070	43	SW	13.2	3,150	149	NNW	8.5	3,150	161	NNW	11.5	Surface	298	ESE	5.8
2,250	40	SW	14.1	Disappearance: (?).				3,330	164	NNW	11.0	216	288	ESE	11.7
2,430	33	SSW	14.8	No. 540. May 21, 1934; 21h 25m. Clouds: 0. Lt. drift				Disappearance: Entered Ast, 3,330 m.				414	272	E	9.2
2,610	26	SSW	15.0	Surface	295	ESE	11.6	No. 543. May 24, 1934; 21h 50m. Clouds: 10 St SE. Vis.: 4				612	251	ENE	6.6
2,790	28	SSW	17.2	216	292	ESE	16.1	Surface	295	ESE	5.4	Disappearance: Entered St, 216 m.			
2,970	31	SSW	17.3	414	289	ESE	11.7	216	304	SE	2.5				
3,150	32	SSW	15.5	612	274	E	6.0	Disappearance: Entered St, 216 m.							
3,330	33	SSW	16.2	801	247	ENE	7.1								
3,510	34	SW	18.4	990	247	ENE	8.7								
3,690	33	SSW	17.3	1,170	257	ENE	10.0								
3,870	32	SSW	16.4	1,350	260	E	11.2								
4,050	31	SSW	18.0	1,530	253	ENE	10.8								
4,230	27	SSW	16.0												
4,410	28	SSW	15.5												
4,590	32	SSW	18.0												
Disappearance: Distance.															

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 547—Continued				No. 550—Continued				No. 553. June 2, 1934; 15h. Clouds: 0. Vis.: 7				No. 556—Continued			
801	240	ENE	5.2	1,530	235	NE	10.5	Surface	269	E	3.6	990	333	SSE	11.7
990	222	NE	4.3	1,710	237	ENE	9.6	216	252	ENE	4.5	1,170	325	SE	11.5
1,170	201	NNE	4.7	1,890	232	NE	8.3	414	215	NE	4.5	1,350	321	SE	10.0
1,350	213	NNE	6.5	2,070	226	NE	8.0	612	210	NNE	5.7	1,530	306	SE	9.7
1,530	214	NE	8.1	2,250	223	NE	8.5	801	206	NNE	5.8	1,710	288	ESE	9.3
1,710	205	NNE	7.5	Disappearance: Lost in moonlight.				990	194	NNE	5.7	1,890	281	E	9.4
1,890	198	NNE	6.3	No. 551. June 1, 1934; 21h 05m. Clouds: Few St NNE. Vis.: 7				1,170	194	NNE	6.2	2,070	282	ESE	7.5
2,070	197	NNE	7.5	Surface	221	NE	5.4	1,350	202	NNE	7.2	2,250	294	ESE	7.4
2,250	196	NNE	7.4	216	206	NNE	7.3	1,530	210	NNE	7.9	2,430	306	SE	8.3
2,430	194	NNE	8.0	414	203	NNE	7.3	1,710	213	NNE	9.0	2,610	312	SE	9.3
2,610	192	NNE	8.2	612	209	NNE	7.4	1,890	211	NNE	9.4	2,790	311	SE	10.8
2,790	194	NNE	8.1	801	209	NNE	7.2	2,070	209	NNE	9.2	2,970	309	SE	13.1
2,970	200	NNE	7.7	990	208	NNE	7.1	2,250	205	NNE	9.5	3,150	303	ESE	12.6
3,150	205	NNE	7.8	1,170	206	NNE	7.2	2,430	199	NNE	10.9	3,330	288	ESE	12.3
3,330	199	NNE	8.6	1,350	204	NNE	6.5	2,610	192	NNE	12.2	3,510	281	E	12.8
3,510	195	NNE	9.0	1,530	208	NNE	6.8	2,790	197	NNE	13.7	3,690	276	E	13.5
Disappearance: Entered AST, 3,510 m.				1,710	202	NNE	8.6	2,970	193	NNE	14.2	3,870	272	E	13.5
No. 548. May 28, 1934; 20h 20m. Clouds: 10 St NE				1,890	199	NNE	10.3	3,150	195	NNE	15.7	4,050	268	E	12.5
Surface	278	E	7.2	2,070	203	NNE	10.2	3,330	198	NNE	18.9	4,230	271	E	13.2
216	263	E	8.8	2,250	208	NNE	10.5	3,510	196	NNE	19.8	4,410	272	E	13.3
414	244	ENE	5.6	2,430	210	NNE	11.7	3,690	193	NNE	19.7	4,590	269	E	12.8
612	229	NE	4.7	2,610	211	NNE	12.7	4,050	196	NNE	22.2	4,770	269	E	12.4
801	222	NE	5.6	2,790	216	NE	13.5	Disappearance: Distance.				Disappearance: Distance.			
990	231	NE	5.1	2,970	218	NE	15.2	No. 554. June 4, 1934; 16h 03m. Clouds: 10 St NNE. Vis.: 3				No. 557. June 5, 1934; 22h. Clouds: 0. Vis.: 7			
1,170	240	ENE	5.6	3,150	216	NE	15.8	Surface	220	NE	7.6	Surface	293	ESE	4.9
1,350	225	NE	7.3	3,330	214	NE	16.0	216	207	NNE	10.4	216	298	ESE	12.0
1,530	214	NE	8.0	3,510	214	NE	15.1	414	204	NNE	12.8	414	297	ESE	15.6
Disappearance: Entered St, 1,530 m.				3,690	217	NE	14.0	Disappearance: Entered St, 414 m.				612	295	ESE	14.6
No. 549. May 29, 1934; 10h 50m. Clouds: 10 St NE. Vis.: 5				Disappearance: Cut off by St. NE to N wind has prevailed aloft since May 21.				No. 555. June 5, 1934; 9h 25m. Clouds: 5 St ENE. Vis.: 7				801	293	ESE	11.4
Surface	275	E	6.7	No. 552. June 2, 1934; 9h 05m. Clouds: 0. Vis.: 7				Surface	294	ESE	5.8	990	294	ESE	9.4
216	241	ENE	7.5	Surface	203	NNE	7.6	216	273	E	8.1	1,170	297	ESE	10.0
414	220	NE	6.3	216	179	N	11.6	414	250	ENE	9.8	1,350	298	ESE	11.2
612	215	NE	5.9	414	167	NNW	13.0	612	241	ENE	13.0	1,530	303	ESE	10.8
801	212	NNE	6.7	612	165	NNW	13.1	801	231	NE	13.8	1,710	303	ESE	11.0
990	210	NNE	6.4	801	162	NNW	12.1	990	225	NE	13.1	1,890	301	ESE	10.6
1,170	216	NE	5.1	990	157	NNW	11.5	1,170	228	NE	9.6	2,070	306	ESE	11.0
1,350	222	NE	5.2	1,170	153	NNW	12.2	1,350	242	ENE	6.8	2,250	304	SE	12.6
1,530	218	NE	5.6	1,350	152	NNW	12.8	1,530	247	ENE	6.7	2,430	304	SE	12.8
Disappearance: Entered St, 1,530 m.				1,530	149	NNW	12.2	Disappearance: Entered St, 1,530 m. Apparently the wind aloft is shifting around thru East toward the S.				2,610	313	SE	10.8
No. 550. May 31, 1934; 12h 02m. Clouds: 4 ASt NE. Vis.: 6				1,710	139	NW	10.5	No. 556. June 5, 1934; 13h 16m. Clouds: 1 ASt (SE?). Vis.: 7				2,790	320	SE	11.2
Surface	264	E	3.1	1,890	137	NW	10.8	Surface	330	SSE	1.3	2,970	310	SE	11.4
216	240	ENE	7.1	2,070	146	NW	12.3	216	358	S	9.9	3,150	298	ESE	10.8
414	228	NE	8.5	2,250	153	NNW	12.8	414	357	S	11.2	Surface	18	SSW	4.0
612	224	NE	9.5	2,430	158	NNW	13.0	612	355	S	10.0	216	357	S	5.0
801	223	NE	9.8	2,610	162	NNW	13.3	801	345	SSE	10.2	414	340	SSE	4.7
990	227	NE	10.3	2,790	165	NNW	14.8	Disappearance: Distance. About 2 Ci near end of obser- vation. Direction N (?).				612	331	SSE	8.0
1,170	229	NE	11.0	2,970	168	NNW	17.4	Disappearance: (?).				801	328	SSE	10.6
1,350	231	NE	11.0	3,150	170	N	17.5	No. 558. June 6, 1934; 10h 08m. Clouds: 0. Vis.: 7				990	331	SSE	9.6
				3,330	170	N	16.5	Surface	330	SSE	1.3	1,170	344	SSE	9.5
								216	358	S	9.9	1,350	353	S	10.2
								414	357	S	11.2	1,530	351	S	10.7
								612	355	S	10.0	1,710	346	SSE	10.7
								801	345	SSE	10.2	1,890	341	SSE	10.0
												2,070	342	SSE	10.8
												2,250	342	SSE	11.4
												2,430	339	SSE	11.0
												2,610	335	SSE	11.1

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 558—Continued				No. 560—Continued				No. 562—Continued				No. 565. June 10, 1934; 17h. Clouds: 10 St ENE. Vis.: 5			
2,790	337	SSE	12.5	4,770	126	NW	6.9	990	301	ESE	6.5	Surface	264	E	7.6
2,970	336	SSE	12.9	4,950	124	NW	7.6	1,170	304	SE	6.6	216	251	ENE	13.7
3,150	329	SSE	12.5	5,130	120	WNW	8.2	1,350	286	ESE	6.3	414	243	ENE	14.7
3,330	326	SE	12.4	5,310	103	WNW	7.6	1,530	260	E	4.4	612	249	ENE	10.9
Disappearance: Background SSE winds aloft; temp. falling rapidly.				5,490	100	W	6.8	1,710	237	ENE	4.1	801	252	ENE	10.0
No. 559. June 6, 1934; 15h 25m. Clouds: 0. Vis.: 7				5,670	109	WNW	6.7	1,890	214	NE	3.3	990	249	ENE	10.7
Surface	13	SSW	7.6	5,850	113	WNW	6.8	2,070	180	N	3.4	1,170	247	ENE	11.8
216	349	S	7.3	6,030	127	NW	6.7	2,250	171	N	3.6	1,350	247	ENE	13.1
414	358	S	10.5	6,210	136	NW	5.7	2,430	151	NNW	3.3	1,530	248	ENE	14.6
612	337	SSE	14.6	6,390	130	NW	5.0	2,790	177	N	3.2	1,710	249	ENE	15.5
801	341	SSE	15.5	6,570	126	NW	5.8	2,970	170	N	5.0	Disappearance: Entered St, 1,710 m.			
990	341	SSE	14.6	6,750	125	NW	6.0	3,150	174	N	6.0	No. 566. June 11, 1934; 10h 55m. Clouds: 10 St.			
1,170	336	SSE	15.2	Disappearance: Distance. S wind up to 1890 m. then abruptly shifting to SW to 2,790 m. then gradually shifting to WNW above.				3,330	182	N	7.1	Surface	286	ESE	7.6
1,350	333	SSE	14.2	No. 561. June 7, 1934, 14h 33m. Clouds: 0. Vis.: 7				3,510	177	N	7.8	216	241	ENE	4.2
1,530	332	SSE	13.3	Surface	32	SSW	3.1	3,690	173	N	7.5	414	214	NE	4.0
1,710	328	SSE	13.3	216	339	SSE	5.1	3,870	176	N	7.3	612	211	NNE	3.6
1,890	332	SSE	12.3	414	331	SSE	5.4	4,050	177	N	7.3	801	225	NE	2.9
2,070	335	SSE	12.2	612	327	SSE	4.6	4,230	177	N	7.5	990	251	ENE	3.5
2,250	329	SSE	10.5	801	321	SE	4.0	4,410	179	N	8.0	1,170	251	ENE	4.2
2,430	338	SSE	11.8	990	334	SSE	3.8	4,590	182	N	8.7	1,350	246	ENE	3.9
2,610	350	S	12.8	1,170	13	SSW	3.7	4,770	180	N	9.5	1,530	267	E	4.9
2,790	356	S	12.7	1,350	18	SSW	4.0	4,950	172	N	9.5	1,710	281	E	7.7
2,970	355	S	10.6	1,530	349	S	4.6	5,130	167	NNW	9.7	1,890	284	ESE	9.2
3,150	357	S	10.0	1,710	334	SSE	4.5	5,310	168	NNW	9.8	2,070	285	ESE	9.2
3,330	358	S	10.0	1,890	343	SSE	3.9	5,490	170	N	10.2	2,250	291	ESE	9.6
3,510	354	S	9.5	2,070	19	SSW	3.2	5,670	172	N	9.8	2,430	296	ESE	8.5
3,690	355	S	10.2	2,250	49	SW	2.2	5,850	174	N	8.3	Disappearance: (?).			
3,870	0	S	12.2	2,430	139	NW	1.8	6,030	175	N	8.0	No. 567. June 11, 1934; 21h 40m. Clouds: 0. Vis.: 5			
4,050	2	S	13.0	2,610	150	NNW	4.3	Disappearance: Candle out.				Surface	30	SSW	1.3
4,230	4	S	12.2	2,790	135	NW	5.0	No. 563. June 8, 1934; 17 h 02m. Clouds: 0. Vis.: 5. Some snow falling; stars visible.				216	86	W	5.6
Disappearance: Distance.				2,970	113	WNW	4.5	Surface	287	ESE	8.9	414	104	WNW	7.4
No. 560. June 7, 1934; 8h 58m. Clouds: 0. Vis.: 7				3,150	109	WNW	4.5	216	274	E	10.4	612	122	WNW	7.7
Surface	39	SW	3.6	3,330	115	WNW	4.7	414	256	ENE	9.9	801	106	WNW	7.3
216	358	S	12.2	3,510	120	WNW	4.8	612	249	ENE	10.0	990	85	W	4.8
414	359	S	16.0	3,690	125	NW	4.3	801	243	ENE	9.5	1,170	89	W	6.0
612	2	S	14.0	3,870	126	NW	4.8	990	242	ENE	8.9	1,350	88	W	7.2
801	1	S	11.7	4,050	137	NW	5.8	1,170	243	ENE	8.0	1,530	80	W	6.5
990	356	S	11.1	4,230	146	NW	6.0	1,350	243	ENE	7.5	1,710	68	WSW	6.8
1,170	349	S	9.2	4,410	150	NW	6.0	Disappearance: Cut off by drift and snow.				1,890	61	WSW	6.7
1,350	349	S	7.5	4,590	145	NW	5.8	No. 564. June 8, 1934; 21h 44m. Clouds: 10 St ENE. Vis.: 5. Snowing, few stars visible; apparently St Clouds very thin				2,070	59	WSW	6.5
1,530	351	S	7.2	4,770	130	NW	5.6	Surface	284	ESE	7.2	2,250	56	SW	6.9
1,710	357	S	6.8	4,950	129	NW	4.8	216	269	E	9.5	2,430	55	SW	6.9
1,890	22	SSW	6.3	5,130	144	NW	4.4	414	257	ENE	8.3	2,610	48	SW	7.0
2,070	43	SW	6.7	5,310	155	NNW	5.1	612	257	ENE	8.2	2,790	38	SW	6.6
2,250	43	SW	7.3	5,490	155	NNW	5.2	801	246	ENE	8.4	2,970	34	SW	6.0
2,430	40	SW	7.3	5,670	153	NNW	5.4	990	238	ENE	8.8	3,150	45	SW	5.3
2,610	41	SW	6.5	5,850	144	NW	6.8	1,170	238	ENE	8.8	3,330	69	WSW	5.1
2,790	44	SW	6.0	6,030	138	NW	8.7	1,350	240	ENE	8.9	3,510	72	WSW	6.0
2,970	64	WSW	5.4	6,210	135	NW	9.5	1,530	240	ENE	8.5	3,690	60	WSW	7.1
3,150	73	WSW	5.9	Disappearance: Candle out.				1,710	239	ENE	8.6	3,870	60	WSW	7.6
3,330	92	W	6.7	No. 562. June 7, 1934; 20h 55m. Clouds: 0. Vis.: 7				1,890	237	ENE	8.9	4,050	65	WSW	7.6
3,510	98	W	5.2	Surface	0	S	3.6	Disappearance: Entered St, 1,890 m.				4,230	66	WSW	6.5
3,690	102	WNW	5.5	216	330	SSE	5.6					4,410	64	WSW	6.4
3,870	111	WNW	6.4	414	328	SSE	6.5					4,590	75	WSW	6.0
4,050	117	WNW	7.5	612	308	SE	7.9					4,770	96	W	5.8
4,230	113	WNW	7.9	801	293	ESE	8.3					4,950	118	WNW	8.8
4,410	113	WNW	8.0									5,130	115	WNW	11.0
4,590	120	WNW	7.5												

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 567—Continued				No. 569—Continued				No. 572. June 15, 1934; 21h 35m. Clouds: 10 St ESE. Vis.: 6. Ice crystals falling				No. 574—Continued			
5,310	119	WNW	12.5	1,350	238	ENE	0.8	Surface	254	ENE	2.7	5,310	37	SW	11.2
5,490	126	NW	14.1	1,530	232	NE	1.5	216	224	NE	3.0	5,490	22	SSW	11.0
5,670	127	NW	14.6	1,710	204	NNE	3.7	414	229	NE	3.7	5,670	12	SSW	13.1
Disappearance: Local smoke. A decided change from east- erly at 11h 55m to westerly tonight. Wind shifting toward N when balloon was lost. Bar. rising rapidly today.				1,890	102	WNW	11.2	612	210	NNE	3.8	Disappearance: Abandoned, balloon leaking.			
No. 568. June 12, 1934; 9h 38m. Clouds: 0. Vis.: 7				2,070	178	N	20.2	801	182	N	3.6	No. 575. June 17, 1934; 22h 10m. Clouds: 0. Vis.: 7			
				2,250	215	NE	16.2	990	179	N	3.0	Surface	4	S	6.7
				2,430	183	N	9.0	1,170	191	N	1.6	216	345	SSE	10.5
				Disappearance: Entered ASt, 2,430 m.				1,350	222	NE	0.7	414	330	SSE	10.3
				No. 570. June 15, 1934; 9h 31m. Clouds: 9 St ENE. Vis.: 7				1,530	236	NE	2.1	612	324	SE	9.6
								1,710	256	ENE	4.4	801	333	SSE	7.0
								1,890	276	E	5.5	990	351	S	8.0
								2,070	288	ESE	5.6	1,170	352	S	11.0
								Disappearance: Entered St, 2,070 m.				1,350	350	S	11.7
								No. 573. June 16, 1934; 21h 35m. Clouds: 10 St N. Vis.: 6				1,530	347	SSE	11.1
												1,710	339	SSE	10.3
												1,890	331	SSE	8.3
												2,070	316	SE	5.2
												2,250	315	SE	4.2
												2,430	339	SSE	5.6
												2,610	356	S	6.6
												2,790	6	S	7.2
												2,970	8	S	8.2
												3,150	11	S	9.0
												3,330	18	SSW	8.7
												3,510	33	SSW	8.0
												3,690	43	SW	6.5
												3,870	56	SW	7.2
												4,050	57	WSW	8.5
												4,230	57	WSW	7.5
												4,410	50	SW	8.3
												4,590	43	SW	7.2
												4,770	36	SW	6.0
												4,950	36	SW	6.0
												Disappearance: Distance.			
												No. 576. June 18, 1934; 9h 18m. Clouds: 0. Vis.: 8			
												Surface	15	SSW	4.5
												216	354	S	10.1
												414	341	SSE	8.0
												612	349	S	8.6
												801	351	S	9.2
												990	344	SSE	9.1
												1,170	335	SSE	9.3
												1,350	333	SSE	10.2
												1,530	332	SSE	12.0
												1,710	331	SSE	13.4
												1,890	328	SSE	13.0
												2,070	320	SE	11.1
												2,250	314	SE	10.0
												2,430	312	SE	9.7
												2,610	318	SE	9.7
												2,790	326	SE	11.2
												2,970	330	SSE	11.4
												3,150	336	SSE	10.2
												3,330	339	SSE	9.5
												3,510	335	SSE	8.8
												3,690	334	SSE	8.3

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 576—Continued			
3, 870	332	SSE	9. 1
4, 050	331	SSE	9. 6
4, 230	334	SSE	7. 0
4, 410	343	SSE	4. 7
4, 590	345	SSE	3. 2
4, 770	350	S	2. 7
4, 950	8	S	3. 1
5, 130	18	SSW	3. 0

Disappearance: Distance.			
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No. 577. June 18, 1934; 14h 50m. Clouds: 0. Lt. fog. Vis.: 3			
Surface	32	SSW	3. 6
216	26	SSW	9. 5
414	29	SSW	11. 2
612	28	SSW	11. 2

Disappearance: Fog.			
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No. 578. June 20, 1934; 21h 46m. Clouds: 10 St E. Vis.: 6			
Surface	290	ESE	1. 8
216	297	ESE	7. 7
414	288	ESE	11. 4
612	285	ESE	10. 2
801	285	ESE	9. 9
990	284	ESE	8. 8
1, 170	283	ESE	6. 3
1, 350	270	E	5. 0
1, 530	272	E	5. 5
1, 710	255	ENE	5. 4
1, 890	280	E	4. 5
2, 070	280	E	5. 0

Disappearance: Entered St, 2,070 m.			
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No. 579. June 21, 1934; 9h 25m. Clouds: 1 CiSt (NE?) Vis.: 6			
Surface	21	SSW	2. 2
216	315	SE	4. 5
414	312	SE	5. 9
612	319	SE	4. 4
801	302	ESE	3. 8
990	292	ESE	4. 5
1, 170	293	ESE	5. 0
1, 350	293	ESE	4. 7
1, 530	293	ESE	4. 1
1, 710	295	ESE	5. 3
1, 890	290	ESE	6. 9
2, 070	285	ESE	7. 0
2, 250	281	E	7. 0
2, 430	275	E	7. 0
2, 610	268	E	7. 2
2, 790	250	ENE	6. 9
2, 970	230	NE	7. 4
3, 150	228	NE	8. 4
3, 330	228	NE	9. 1

Disappearance: Entered St, 2,070 m.			
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Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 579—Continued			
3, 510	231	NE	9. 3
3, 690	228	NE	8. 6
3, 870	223	NE	8. 0

Disappearance: (?).			
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No. 580. June 21, 1934; 21h 26m. Clouds: 2 ACu (ENE?) Vis.: 7			
Surface	Calm	Calm	1. 5
216	33	SSW	1. 5
414	48	SW	1. 7
612	269	E	0. 5
801	299	ESE	0. 5
990	332	SSE	0. 6
1, 170	329	SSE	0. 8
1, 350	303	ESE	1. 0
1, 530	275	E	1. 3
1, 710	260	E	1. 5
1, 890	245	ENE	2. 6
2, 070	238	ENE	4. 0
2, 250	247	ENE	4. 8
2, 430	259	E	5. 5
2, 610	264	E	6. 1
2, 790	260	E	6. 5
2, 970	255	ENE	6. 2
3, 150	253	ENE	4. 5
3, 330	253	ENE	3. 4
3, 510	279	E	5. 0
3, 690	270	E	6. 7
3, 870	275	E	7. 3
4, 050	281	E	7. 8
4, 230	283	ESE	7. 8
4, 410	271	E	8. 2
4, 590	252	ENE	9. 5
4, 770	244	ENE	9. 7
4, 950	243	ENE	9. 4

Disappearance: (?).			
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No. 581. June 22, 1934; 12h 30m. Clouds: 8 ACu ESE. Vis.: 8. Lunar Corona.			
Surface	256	ENE	1. 8
216	283	ESE	1. 5
414	99	W	2. 5
612	99	W	3. 6
801	102	WNW	3. 5
990	150	NNW	2. 2
1, 170	164	NNW	1. 2
1, 350	167	NNW	1. 3
1, 530	195	NNE	0. 8
1, 710	202	NNE	2. 0
1, 890	211	NNE	4. 3
2, 070	225	NE	5. 6
2, 250	237	ENE	5. 6
2, 430	248	ENE	5. 2
2, 610	280	E	5. 3
2, 790	305	SE	5. 1
2, 970	305	SE	5. 0
3, 150	302	ESE	5. 0

Disappearance: Entered ACu, 3,150 m.			
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Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 582. June 23, 1934; 15h. Clouds: 4 ASt E. Lunar Corona.			
Surface	341	SSE	1. 3
216	356	S	6. 7
414	325	SE	6. 5
612	319	SE	7. 8
801	320	SE	7. 9
990	322	SE	6. 1
1, 170	321	SE	6. 7
1, 350	313	SE	7. 0
1, 530	303	ESE	8. 8
1, 710	296	ESE	9. 3
1, 890	287	ESE	7. 0
2, 070	287	ESE	6. 5
2, 250	282	ESE	6. 5
2, 430	278	E	8. 5
2, 610	274	E	10. 4
2, 790	269	E	9. 6
2, 970	274	E	8. 5
3, 150	275	E	9. 8
3, 330	275	E	12. 0
3, 510	273	E	13. 0
3, 690	269	E	13. 0
3, 870	266	E	13. 0

Disappearance: (?).			
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No. 583. June 23, 1934; 22h 30m. Clouds: 6 CiSt. Lt. fog. Vis.: 2. Lt. drift			
Surface	26	SSW	7. 6
216	5	S	13. 2
414	359	S	15. 3

Disappearance: Fog and drift.			
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No. 584. June 25, 1934; 15h 45m. Clouds: 10 ASt ENE. Vis.: 6			
Surface	283	ESE	7. 6
216	250	ENE	12. 8
414	242	ENE	12. 9
612	236	NE	10. 8
801	236	NE	10. 5
990	238	ENE	11. 8
1, 170	239	ENE	12. 5
1, 350	242	ENE	12. 8
1, 530	247	ENE	12. 7
1, 710	248	ENE	13. 0
1, 890	243	ENE	13. 8
2, 070	244	ENE	11. 7
2, 250	250	ENE	9. 7
2, 430	251	ENE	9. 6

Disappearance: Entered ASt, 2,430 m.			
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No. 585. June 25, 1934; 20h 03m. Clouds: 4 ASt ENE. Vis.: 4. Lt. drift			
Surface	290	ESE	8. 9
216	264	E	11. 0
414	245	ENE	12. 1

Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 585—Continued			
612	235	NE	12. 7
801	235	NE	11. 9
990	239	ENE	11. 3
1, 170	239	ENE	11. 9

Disappearance: Drifting snow.			
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No. 586. June 26, 1934; 9h 30m. Clouds: 10 St ENE. Vis.: 7			
Surface	279	E	5. 4
216	261	E	6. 6
414	253	ENE	6. 5

Disappearance: Entered St, 414 m.			
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No. 587. June 26, 1934; 20h 28m. Clouds: 8 ASt NE. Lunar Corona, 2 rings; also Lunar halo			
Surface	357	S	2. 2
216	115	WNW	2. 2
414	140	NW	2. 7
612	123	WNW	2. 5
801	103	WNW	2. 5
990	40	SW	2. 2
1, 170	325	SE	1. 0
1, 350	289	ESE	0. 5
1, 530	308	SE	1. 1
1, 710	235	NE	1. 2
1, 890	207	NNE	1. 5
2, 070	238	ENE	2. 5
2, 250	231	NE	3. 5
2, 430	217	NE	4. 2
2, 610	226	NE	3. 9
2, 790	233	NE	4. 5
2, 970	228	NE	5. 6
3, 150	228	NE	6. 2

Disappearance: Entered ASt, 3,150 m.			
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No. 588. June 27, 1934; 9h 15m. Clouds: 5 ASt E. Vis.: 7. Poorly defined coro- na			
Surface	271	E	4. 0
216	262	E	2. 0
414	154	NNW	0. 6
612	326	SE	1. 9
801	329	SSE	3. 0
990	316	SE	2. 5
1, 170	268	E	2. 6
1, 350	261	E	3. 0
1, 530	261	E	3. 8
1, 710	268	E	4. 8
1, 890	267	E	5. 2
2, 070	261	E	5. 0
2, 250	265	E	5. 1
2, 430	276	E	5. 6
2, 610	277	E	5. 7

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 588—Continued				No. 590—Continued				No. 593. June 29, 1934; 9h 20m. Clouds: Few ASW. Vis.: 7				No. 595—Continued			
2,790	277	E	6.0	4,770	333	SSE	3.3	Surface	336	SSE	1.8	990	31	SSW	13.7
2,970	281	E	6.5	4,950	351	S	4.1	216	5	S	6.0	1,170	47	SW	12.7
3,150	284	ESE	6.4	5,130	355	S	5.5	414	19	SSW	8.0	1,350	47	SW	13.3
3,330	284	ESE	5.5	5,310	357	S	4.2	612	28	SSW	8.9	1,530	48	SW	12.5
3,510	284	ESE	5.8	5,490	357	S	3.4	801	38	SW	8.6	1,710	54	SW	12.3
3,690	277	E	6.5	Disappearance: Distance.				990	46	SW	8.5	1,890	54	SW	12.2
3,870	272	E	7.0	No. 591. June 28, 1934; 11h 02m. Clouds: 0. Vis.: 6				1,170	43	SW	8.0	2,070	50	SW	11.1
4,050	270	E	7.5	Surface	345	SSE	1.8	1,350	37	SW	7.0	2,250	49	SW	11.3
4,230	267	E	8.0	216	28	SSW	4.5	1,530	35	SW	7.1	2,430	59	WSW	10.0
Disappearance: Entered ASW, 4,230 m.				414	51	SW	7.2	1,710	44	SW	8.6	2,610	70	WSW	9.5
No. 589. June 27, 1934; 15h 28m. Clouds: 4 ASW E. Lt. fog(?). Vis.: 5				612	57	WSW	10.6	1,890	45	SW	9.8	2,790	72	WSW	9.0
Surface	290	ESE	0.9	801	61	WSW	13.2	2,070	40	SW	10.1	2,970	71	WSW	9.6
216	18	SSW	1.8	990	60	WSW	13.2	2,250	39	SW	9.7	3,150	64	WSW	9.8
414	37	SW	1.5	1,170	56	SW	12.0	2,430	41	SW	8.6	3,330	71	WSW	10.3
612	10	S	2.8	1,350	54	SW	11.7	2,610	51	SW	8.6	3,510	86	W	10.0
801	353	S	3.5	1,530	52	SW	11.5	2,790	51	SW	8.7	3,690	92	W	10.4
990	353	S	4.3	1,710	53	SW	10.6	2,970	46	SW	10.6	3,870	90	W	11.3
1,170	343	SSE	5.1	1,890	56	SW	9.5	3,150	42	SW	9.7	4,050	99	W	10.2
1,350	327	SSE	5.9	2,070	53	SW	9.3	3,330	42	SW	9.0	4,230	104	WNW	9.2
1,530	312	SE	7.6	2,250	50	SW	9.7	3,510	43	SW	8.6	4,410	98	W	9.0
1,710	307	SE	9.0	2,430	55	SW	10.0	3,690	43	SW	10.6	4,590	95	W	10.0
1,890	301	ESE	9.5	2,610	55	SW	10.4	3,870	43	SW	10.5	Disappearance: Distance.			
2,070	293	ESE	10.0	2,790	52	SW	10.5	4,050	46	SW	9.5	No. 596. June 30, 1934; 18h 25m. Clouds: 1 ASW S. Vis.: 6			
2,250	290	ESE	10.3	2,970	53	SW	9.5	4,230	46	SW	10.0	Surface	46	SW	5.8
2,430	287	ESE	10.2	3,150	53	SW	9.6	4,410	47	SW	11.1	216	10	S	14.7
2,610	289	ESE	10.5	Disappearance: Local smoke.				4,590	48	SW	12.2	414	56	SW	19.4
2,790	293	ESE	11.3	No. 592. June 28, 1934; 20h 12m. Clouds: Few Ci. Vis.: 7				4,770	50	SW	13.6	612	9	S	21.4
2,970	287	ESE	11.6	Surface	119	WNW	1.8	4,950	50	SW	14.4	801	12	SSW	21.6
3,150	279	E	11.7	216	51	SW	3.7	Disappearance: Distance.				990	15	SSW	20.1
3,330	280	E	11.5	414	76	WSW	3.6	No. 594. June 29, 1934; 20h 26m. Clouds: 0. Vis.: 7				1,170	12	SSW	19.7
Disappearance: Light fog (?).				612	91	W	4.0	Surface	59	WSW	7.6	1,350	10	S	19.0
No. 590. June 27, 1934; 21h 05m. Clouds: 0. Vis.: 7				801	85	W	5.0	216	41	SW	9.7	1,530	11	S	18.6
Surface	54	SW	3.1	990	76	WSW	5.9	414	40	SW	9.8	1,710	7	S	16.3
216	31	SSW	7.3	1,170	72	WSW	6.5	612	39	SW	10.2	1,890	1	S	14.1
414	30	SSW	7.7	1,350	77	WSW	7.4	801	43	SW	10.4	2,070	359	S	13.5
612	23	SSW	6.4	1,530	80	W	7.4	990	31	SSW	12.5	2,250	359	S	11.8
801	9	S	4.9	1,710	79	W	7.4	1,170	31	SSW	13.5	2,430	356	S	10.2
990	350	S	5.1	1,890	78	WSW	7.2	1,350	31	SSW	12.0	Disappearance: Distance.			
1,170	338	SSE	7.3	2,070	82	W	7.0	1,530	38	SW	12.0	No. 597. July 1, 1934; 8h 29m. Clouds: 4 ASW. Vis.: 6			
1,350	336	SSE	8.5	2,250	86	W	6.9	1,710	39	SW	14.3	Surface	257	ENE	4.9
1,530	333	SSE	6.8	2,430	82	W	6.2	1,890	31	SSW	14.2	216	93	W	7.2
1,710	335	SSE	7.5	2,610	75	WSW	6.8	2,070	31	SSW	12.6	414	99	W	12.2
1,890	332	SSE	9.3	2,790	78	WSW	6.0	2,250	40	SW	11.9	612	100	W	11.6
2,070	322	SE	8.9	2,970	79	W	6.5	2,430	46	SW	12.8	Disappearance: Cut off by local smoke.			
2,250	318	SE	8.6	3,150	75	WSW	6.9	2,610	46	SW	14.5	No. 598. July 1, 1934; 9h 56m. Clouds: 10 St WNW. Vis.: 5			
2,430	312	SE	8.0	3,330	70	WSW	6.5	2,790	41	SW	15.3	Surface	270	E	7.2
2,610	309	SE	7.1	3,510	76	WSW	6.9	2,970	42	SW	14.3	216	126	NW	5.0
2,790	318	SE	8.0	3,690	83	W	7.3	3,150	47	SW	14.1	414	105	WNW	7.0
2,970	316	SE	9.0	3,870	75	WSW	6.5	3,330	49	SW	15.0	Disappearance: Entered St., 414 m.			
3,150	316	SE	8.9	4,050	73	WSW	6.0	Disappearance: Distance.				No. 595. June 30, 1934; 9h 57m. Clouds: Few ASW. Vis.: 6			
3,330	316	SE	9.1	4,230	78	WSW	6.3	Surface	52	SW	4.9	Surface	270	E	7.2
3,510	317	SE	9.0	4,410	73	WSW	6.6	216	19	SSW	12.8	216	126	NW	5.0
3,690	319	SE	8.5	4,590	82	W	10.6	414	16	SSW	16.3	414	105	WNW	7.0
3,870	316	SE	8.0	4,770	75	WSW	11.8	612	19	SSW	18.5	Disappearance: Entered St., 414 m.			
4,050	310	SE	8.2	4,950	68	WSW	15.0	801	22	SSW	17.8	Disappearance: Entered St., 414 m.			
4,230	309	SE	8.2	5,130	66	WSW	14.0	Disappearance: Distance.				No. 595. June 30, 1934; 9h 57m. Clouds: Few ASW. Vis.: 6			
4,410	312	SE	7.5	5,310	65	WSW	10.8	Disappearance: Distance.				No. 595. June 30, 1934; 9h 57m. Clouds: Few ASW. Vis.: 6			
4,590	318	SE	5.5	Disappearance: Local smoke.				Disappearance: Distance.				No. 595. June 30, 1934; 9h 57m. Clouds: Few ASW. Vis.: 6			

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 599. July 1, 1934; 21h 37m. Clouds: 0. Lt. fog. Vis.: 5.				No. 601—Continued				No. 603—Continued				No. 606. July 5, 1934; 19h. Clouds: 0. Vis.: 5. Ice crystals falling.			
Surface	316	SE	2.2	612	342	SSE	6.2	990	264	E	4.4	Surface	252	ENE	3.1
216	50	SW	1.4	801	341	SSE	10.0	1,170	236	NE	5.7	216	256	ENE	4.3
414	60	WSW	1.3	990	340	SSE	12.2	1,350	229	NE	6.0	414	223	NE	3.1
612	356	S	2.0	1,170	338	SSE	12.5	1,530	243	ENE	5.4	612	236	NE	4.3
801	356	S	2.5	1,350	335	SSE	11.5	1,710	262	E	5.2	801	257	ENE	5.7
990	16	SSW	2.2	1,530	326	SE	10.1	1,890	270	E	6.0	990	257	ENE	7.0
1,170	29	SSW	2.5	1,710	321	SE	10.0	2,070	273	E	6.3	1,170	255	ENE	10.0
1,350	56	SW	2.1	1,890	315	SE	9.7	2,250	266	E	5.5	1,350	255	ENE	12.0
1,530	82	W	2.0	2,070	314	SE	8.5	2,430	240	ENE	4.2	Disappearance: Ice crystals in air.			
1,710	82	W	3.0	2,250	315	SE	8.9	2,610	234	NE	4.5	No. 607. July 6, 1934; 10h 05m. Clouds: Few AST. Vis.: 6			
1,890	70	WSW	5.0	2,430	314	SE	9.7	2,790	243	ENE	5.5	Surface	35	SW	4.5
2,070	58	WSW	5.8	2,610	318	SE	8.9	2,970	226	NE	6.0	216	51	SW	7.6
2,250	57	WSW	6.0	2,790	323	SE	8.5	3,150	216	NE	6.6	414	76	WSW	7.8
2,430	55	SW	6.5	2,970	327	SSE	9.1	3,330	217	NE	5.8	612	83	W	8.2
2,610	56	SW	7.3	3,150	330	SSE	8.5	3,510	223	NE	4.6	801	83	W	9.0
2,790	60	WSW	7.6	3,330	331	SSE	7.7	3,690	211	NNE	5.1	990	79	W	8.3
Disappearance: Fog.				Disappearance: Ice crystals in air.				3,870	205	NNE	5.7	1,170	75	WSW	7.3
No. 600. July 2, 1934; 9h 29m. Clouds: 0. Vis.: 8				No. 602. July 3, 1934; 10h. Clouds: 0. Vis.: 8				4,050	215	NE	5.4	1,350	75	WSW	7.8
Surface	23	SSW	2.2	Surface	8	S	1.8	4,230	215	NE	5.9	1,530	68	WSW	8.5
216	355	S	2.0	216	3	S	1.4	4,410	205	NNE	6.4	1,710	58	WSW	8.6
414	320	SE	3.2	414	323	SE	3.2	4,590	205	NNE	5.6	1,890	52	SW	7.3
612	337	SSE	2.7	612	342	SSE	4.7	4,770	204	NNE	5.7	2,070	45	SW	5.3
801	355	S	2.3	801	341	SSE	5.7	4,950	207	NNE	6.5	2,250	32	SSW	5.3
990	358	S	2.6	990	317	SE	5.9	5,130	218	NE	8.8	2,430	20	SSW	6.3
1,170	1	S	2.3	1,170	320	SE	6.1	5,310	219	NE	8.3	2,610	10	S	5.5
1,350	355	S	3.0	1,350	309	SE	4.8	5,490	219	NE	9.0	2,790	4	S	4.5
1,530	337	SSE	4.0	1,530	306	SE	3.7	Disappearance: (?).				2,970	9	S	3.8
1,710	323	SE	4.7	1,710	304	SE	3.6	No. 604. July 4, 1934; 9h 40m. Clouds: Few AST E. Vis.: 6.				3,150	17	SSW	4.5
1,890	315	SE	5.7	1,890	299	ESE	3.4	Surface	21	SSW	2.7	3,330	16	SSW	4.8
2,070	311	SE	5.8	2,070	300	ESE	4.5	216	293	ESE	11.8	3,510	354	S	4.4
2,250	308	SE	6.2	2,250	302	ESE	4.1	414	275	E	11.5	3,690	333	SSE	4.8
2,430	303	ESE	7.2	2,430	299	ESE	3.2	612	267	E	10.5	3,870	320	SE	5.6
2,610	299	ESE	7.2	2,610	296	ESE	2.8	801	263	E	10.5	4,050	318	SE	6.3
2,790	297	ESE	7.0	2,790	309	SE	2.3	990	260	E	10.3	4,230	318	SE	6.9
2,970	304	SE	6.4	2,970	312	SE	3.0	1,170	260	E	10.6	4,410	322	SE	7.3
3,150	313	SE	6.0	3,150	300	ESE	3.0	1,350	261	E	10.8	4,590	329	SSE	7.7
3,330	313	SE	5.7	3,330	290	ESE	3.7	1,530	266	E	11.8	4,770	331	SSE	8.1
3,510	305	SE	5.5	3,510	287	ESE	4.3	1,710	268	E	12.5	Disappearance: Lantern against light sky in N.			
3,690	302	ESE	5.5	3,690	286	ESE	2.5	1,890	268	E	12.0	No. 608. July 6, 1934; 18h 50m. Clouds: 0. Vis.: 7. Ice crystals falling			
3,870	307	SE	5.3	3,870	287	ESE	1.4	2,070	260	E	11.9	Surface	40	SW	3.1
4,050	324	SE	5.5	4,050	216	NE	2.0	2,250	255	ENE	13.5	216	40	SW	8.2
4,230	343	SSE	6.0	4,230	195	NNE	3.3	2,430	254	ENE	14.8	414	48	SW	7.2
4,410	356	S	6.5	4,410	198	NNE	4.0	2,610	248	ENE	13.5	612	59	WSW	8.5
4,590	3	S	7.8	4,590	201	NNE	4.8	2,790	247	ENE	10.5	801	66	WSW	8.0
4,770	16	SSW	9.2	4,770	199	NNE	5.3	2,970	249	ENE	7.6	990	62	WSW	11.6
4,950	29	SSW	11.7	4,950	198	NNE	5.5	3,150	249	ENE	8.7	1,170	61	WSW	12.6
5,130	30	SSW	12.5	5,130	191	N	6.3	3,330	249	ENE	11.7	1,350	56	SW	9.9
5,310	24	SSW	13.2	5,310	184	N	7.6	3,510	250	ENE	13.2	1,530	48	SW	8.2
5,490	28	SSW	13.5	5,490	184	N	8.4	3,690	257	ENE	12.5	1,710	48	SW	7.6
5,670	29	SSW	14.6	5,670	183	N	9.2	3,870	263	E	12.4	1,890	47	SW	8.2
5,850	27	SSW	16.5	6,030	184	N	8.1	Disappearance: Distance.				2,070	46	SW	8.7
Disappearance: Candle out(?).				6,210	186	N	8.0	No. 605. July 4, 1934; 17h 40m. Clouds: 0. Vis.: 4. Moder- ate drift.				2,250	46	SW	9.1
No. 601. July 2, 1934; 18h 31m. Clouds: 0. Vis.: 6. Ice crys- tals falling. Visibility limited near surface				Disappearance: Lost.				Surface	285	ESE	7.6	2,430	45	SW	10.0
Surface	27	SSW	4.0	No. 603. July 3, 1934; 20h 45m. Clouds: 0. Vis.: 8				216	260	E	7.4	2,610	43	SW	10.4
216	14	SSW	7.0	Surface	294	ESE	2.2	414	241	ENE	6.6	2,790	36	SW	9.5
414	2	S	5.0	216	315	SE	3.5	612	265	E	7.0	Disappearance: Drifting snow.			
				414	318	SE	3.9	801	285	ESE	6.5				
				612	343	SSE	4.2	990	260	E	7.0				
				801	316	SE	4.2	1,170	249	ENE	9.8				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 608—Continued				No. 610—Continued				No. 612. July 9, 1934; 11h 44m. Clouds: 10 St ESE. Ice crystals falling				No. 614—Continued			
2,970	30	SSW	7.9	1,890	49	SW	11.3	Surface	27	SSW	4.0	1,530	90	W	8.2
3,150	27	SSW	6.5	2,070	34	SW	11.2	216	302	ESE	10.1	1,710	102	WNW	6.1
3,330	32	SSW	6.7	2,250	32	SSW	9.7	414	286	ESE	12.5	1,890	103	WNW	6.0
3,510	32	SSW	7.0	2,430	35	SW	8.1	612	285	ESE	9.5	2,070	127	NW	6.0
3,690	33	SSW	7.7	2,610	40	SW	8.0	801	291	ESE	8.6	2,250	101	W	6.0
3,870	33	SSW	8.1	2,790	44	SW	8.6	990	299	ESE	7.8	2,430	103	WNW	6.0
4,050	33	SSW	10.0	2,970	52	SW	9.2	1,107	302	ESE	9.3	2,610	98	W	6.3
4,230	35	SW	12.2	3,150	58	WSW	9.0	1,350	301	ESE	11.1	2,790	95	W	8.2
4,410	35	SW	12.0	3,330	58	WSW	10.0	1,530	301	ESE	10.4	2,970	94	W	9.6
4,590	29	SSW	12.1	3,510	58	WSW	10.7	Disappearance: Entered St, 1,530 m.				No. 615. July 12, 1934; 10h 15m. Clouds: 0. Vis.: 3			
4,770	30	SSW	12.5	3,690	53	SW	11.6	No. 613. July 10, 1934; 21h 05m. Clouds: 0				Surface	29	SSW	3.6
4,950	33	SSW	12.8	3,870	55	SW	10.7	Surface	56	SW	6.7	216	6	S	14.8
5,130	31	SSW	10.8	4,050	56	SW	9.8	216	25	SSW	14.4	414	1	S	19.5
5,310	34	SW	9.4	4,230	55	SW	9.9	414	26	SSW	13.3	612	4	S	21.2
5,490	38	SW	10.0	4,410	53	SW	10.5	612	35	SW	11.1	Disappearance: Cut off by ground fog.			
5,670	39	SW	10.1	4,590	49	SW	9.6	801	43	SW	9.8	No. 616. July 12, 1934; 14h 20m. Clouds: 0. Vis.: 4			
5,850	42	SW	9.6	4,770	54	SW	10.0	990	41	SW	9.3	Surface	33	SSW	7.6
Disappearance: Distance.				4,950	60	WSW	10.9	1,170	33	SSW	8.0	216	12	SSW	15.0
No. 609. July 7, 1934; 9h 50m. Clouds: 0. Vis.: 8				5,130	59	WSW	10.5	1,350	44	SW	7.0	414	17	SSW	19.5
Surface	82	W	4.0	5,310	56	SW	10.2	1,530	62	WSW	6.5	612	24	SSW	22.9
216	42	SW	8.0	5,490	52	SW	11.0	1,710	56	SW	6.7	801	27	SSW	24.6
414	39	SW	10.5	5,670	53	SW	11.2	1,890	48	SW	7.1	990	27	SSW	25.4
612	48	SW	9.5	5,850	56	SW	10.2	2,070	45	SW	7.7	Disappearance: Cut off by drifting snow.			
801	58	WSW	9.4	6,030	59	WSW	10.5	2,250	46	SW	7.5	No. 617. July 12, 1934; 20h 35m. Clouds: 0. Vis.: 7			
990	59	WSW	8.5	6,210	60	WSW	11.6	2,430	51	SW	6.9	Surface	34	SW	6.7
1,170	58	WSW	8.2	Disappearance: Distance.				2,610	54	SW	6.3	216	32	SSW	14.3
1,350	61	WSW	8.6	No. 611. July 8, 1934; 12h 10m. Clouds: Few CiST W or N.W. Vis.: 7				2,790	55	SW	6.2	414	33	SSW	16.5
1,530	61	WSW	8.9	Surface	327	SSE	3.1	2,970	55	SW	6.3	612	30	SSW	16.2
1,710	60	WSW	7.8	216	266	E	3.2	3,150	57	WSW	6.1	801	30	SSW	19.0
1,890	60	WSW	8.4	414	250	ENE	2.4	3,330	61	WSW	6.4	990	36	SW	22.0
2,070	61	WSW	10.5	612	328	SSE	2.2	3,510	67	WSW	6.3	1,170	40	SW	21.8
2,250	59	WSW	11.4	801	356	S	4.8	3,690	82	W	6.1	1,350	42	SW	19.2
2,430	58	WSW	10.5	990	0	S	6.4	3,870	90	W	6.0	1,530	44	SW	17.7
2,610	58	WSW	10.0	1,170	358	S	7.0	4,050	83	W	5.5	1,710	42	SW	17.0
2,790	60	WSW	10.2	1,350	0	S	7.0	4,230	76	WSW	5.0	1,890	36	SW	18.0
2,970	64	WSW	11.4	1,530	359	S	6.5	4,410	79	W	5.5	2,070	33	SSW	16.2
3,150	63	WSW	11.7	1,710	6	S	5.9	4,590	78	WSW	6.0	2,250	38	SW	14.0
3,330	65	WSW	13.0	1,890	24	SSW	5.5	4,770	93	W	5.0	2,430	36	SW	13.5
3,510	67	WSW	12.0	2,070	30	SSW	6.0	4,950	107	WNW	4.6	2,610	47	SW	13.3
3,690	71	WSW	11.0	2,250	25	SSW	7.2	5,130	108	WNW	4.6	2,790	44	SW	15.2
3,870	74	WSW	12.1	2,430	25	SSW	6.7	5,310	117	WNW	5.0	2,970	44	SW	16.0
4,050	66	WSW	13.6	2,610	34	SW	6.5	5,490	120	WNW	4.5	3,150	46	SW	13.5
4,230	73	WSW	14.0	2,790	38	SW	6.7	5,670	106	WNW	4.5	3,330	47	SW	14.8
4,410	87	W	15.3	2,970	47	SW	5.6	5,850	113	WNW	4.4	3,510	47	SW	16.0
4,590	80	W	18.5	3,150	71	WSW	5.5	6,030	124	NW	3.8	3,690	42	SW	16.2
4,770	76	WSW	22.2	3,330	79	W	6.5	Disappearance: Drifting snow and distance.				3,870	48	SW	15.2
Disappearance: Distance.				3,510	78	WSW	7.5	No. 614. July 11, 1934; 9h 34m. Clouds: 0				4,050	47	SW	16.2
No. 610. July 7, 1934; 22h. Clouds: 0. Vis.: 7. Ice crystals falling				3,690	76	WSW	8.0	Surface	51	SW	3.1	4,230	45	SW	16.0
Surface	353	S	1.3	3,870	82	W	8.2	216	40	SW	7.7	4,410	45	SW	15.2
216	26	SSW	7.6	4,050	89	W	9.5	414	58	WSW	9.5	Disappearance: Distance.			
414	31	SSW	8.2	4,230	90	W	11.5	612	67	WSW	11.9				
612	35	SW	7.9	4,410	87	W	13.4	801	70	WSW	12.8				
801	38	SW	8.2	4,590	83	W	14.8	990	76	WSW	12.1				
990	41	SW	7.8	4,770	83	W	15.9	1,170	85	W	10.3				
1,170	46	SW	8.1	4,950	85	W	16.7	1,350	91	W	9.5				
1,350	52	SW	9.0	5,130	85	W	17.3								
1,530	50	SW	9.8	5,310	86	W	18.5								
1,710	43	SW	11.0	5,490	85	W	22.5								
				5,670	85	W	23.6								
				5,850	86	W	23.7								
				6,030	88	W	24.8								
				6,210	88	W	25.0								
				Disappearance: Distance.											

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 618. July 13, 1934; 9h 45m. Clouds: 0. Vis.: 8			
Surface	33	SSW	2.2
216	14	SSW	12.6
414	11	S	15.0
612	9	S	14.0
801	13	SSW	10.5
990	28	SSW	8.3
1,170	42	SW	7.9
1,350	33	SSW	8.0
1,530	23	SSW	8.7
1,710	29	SSW	10.2
1,890	28	SSW	10.3
2,070	24	SSW	9.3
2,250	29	SSW	9.0
2,430	35	SW	8.8
2,610	42	SW	7.1
2,790	55	SW	7.0
2,970	58	WSW	7.9
3,150	55	SW	7.6
3,330	54	SW	6.0
3,510	60	WSW	5.1
3,690	73	WSW	5.0
Disappearance: Local smoke.			
No. 619. July 13, 1934; 20h 55m. Clouds: 0. Vis.: 8			
Surface	278	E	3.1
216	308	SE	4.8
414	328	SSE	5.5
612	339	SSE	6.3
801	340	SSE	6.3
990	328	SSE	4.7
1,170	321	SE	2.3
1,350	1	S	1.6
1,530	102	WNW	1.7
1,710	149	NNW	1.7
1,890	102	NNW	2.8
2,070	171	N	3.7
2,250	163	NNW	4.3
2,430	148	NNW	4.3
2,610	130	NW	3.9
2,790	112	WNW	4.6
2,970	107	WNW	4.5
3,150	100	W	4.9
3,330	95	W	6.4
3,510	86	W	7.4
3,690	80	W	9.9
3,870	83	W	12.6
4,050	84	W	13.8
4,230	85	W	15.3
4,410	85	W	15.6
4,590	84	W	15.0
4,770	85	W	15.8
4,950	85	W	17.5
5,130	86	W	19.0
5,310	87	W	19.0
5,490	86	W	21.5
5,670	86	W	22.6
5,850	86	W	21.3
6,030	86	W	23.4
6,210	86	W	26.5
Disappearance: Distance.			
Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 620. July 14, 1934; 8h 56m. Clouds: 0			
Surface	299	ESE	1.3
216	289	ESE	13.0
414	277	E	13.2
612	268	E	11.2
801	265	E	9.8
990	266	E	7.8
1,170	264	E	6.2
1,350	262	E	6.1
1,530	256	ENE	5.7
1,710	246	ENE	4.1
1,890	242	ENE	2.8
2,070	237	ENE	2.1
2,250	181	N	1.4
2,430	158	NNW	2.0
2,610	163	NNW	2.5
2,790	160	NNW	2.5
Disappearance: Obstruction.			
No. 621. July 15, 1934; 10h 16m. Clouds: 10 St E. Vis.: 5. Lt. snow			
Surface	5	S	4.9
216	295	ESE	10.8
414	284	ESE	11.8
612	268	E	7.0
801	264	E	4.5
Disappearance: Entered St, 801 m.			
No. 622. July 16, 1934; 9h 32m. Clouds: 0 (?). Vis.: 5. Ice crystals falling			
Surface	26	SSW	4.0
216	332	SSE	5.0
414	324	SE	6.2
612	323	SE	5.5
801	315	SE	4.9
990	313	SE	4.6
1,170	288	ESE	3.1
1,350	237	ENE	2.0
1,530	207	NNE	1.1
1,710	280	E	0.

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 627—Continued				No. 630. July 20, 1934; 7h 35 m. Clouds: 10 St NW				No. 633—Continued				No. 636—Continued			
2,430	121	WNW	2.8	Surface	142	NW	1.8	801	39	SW	12.7	1,170	4	S	8.3
2,610	133	NW	2.8	216	122	WNW	8.5	990	49	SW	11.7	1,350	26	SSW	8.2
2,790	143	NW	3.6	414	128	NW	12.9	1,170	60	WSW	11.6	1,530	31	SSW	9.0
2,970	164	NNW	4.3	612	133	NW	14.7	1,350	62	WSW	11.6	1,710	34	SW	10.2
3,150	174	N	4.9	801	135	NW	14.5	1,530	61	WSW	11.6	1,890	35	SW	11.1
3,330	182	N	4.8	Disappearance: Entered St, 801 m.				1,710	61	WSW	11.4	2,070	35	SW	13.7
3,510	175	N	6.0	No. 631. July 20, 1934; 11h 12m. Clouds: 1 St NW. Vis.: 7				1,890	61	WSW	11.4	2,250	34	SW	16.6
3,690	172	N	8.4	Surface	99	W	1.3	Disappearance: Local smoke.				2,430	34	SW	15.5
3,870	174	N	9.6	216	130	NW	7.7	No. 634. July 21, 1934; 22h 04m. Clouds: 0				2,610	34	SW	15.0
4,050	174	N	9.3	414	136	NW	11.5	Surface	33	SSW	1.3	2,790	37	SW	14.2
4,230	166	NNW	8.3	612	128	NW	11.6	216	345	SSE	4.0	2,970	43	SW	13.3
4,410	162	NNW	9.3	801	109	WNW	9.5	414	348	SSE	4.8	Disappearance: Lantern against light sky in N.			
4,590	168	NNW	10.0	990	99	W	8.6	612	7	S	5.5	No. 637. July 23, 1934; 20h 10m. Clouds: 7ACu WNW. Vis.: S. Lunar corona			
4,770	173	N	10.4	1,170	105	WNW	10.1	801	17	SSW	7.0	Surface	338	SSE	1.3
4,950	170	N	11.0	1,350	110	WNW	12.3	990	24	SSW	7.3	216	292	ESE	8.1
5,130	165	NNW	11.3	1,530	113	WNW	12.5	1,170	35	SW	6.8	414	301	ESE	7.4
5,310	161	NNW	12.0	1,710	115	WNW	12.5	1,350	47	SW	6.1	612	311	SE	7.0
5,490	156	NNW	11.6	1,890	116	WNW	11.7	1,530	56	SW	6.7	801	312	SE	7.5
5,670	154	NNW	10.9	2,070	116	WNW	11.0	1,710	58	WSW	6.6	990	314	SE	6.9
5,850	158	NNW	11.6	2,250	109	WNW	11.0	1,890	59	WSW	7.1	1,170	275	E	2.5
6,030	157	NNW	11.2	2,430	100	W	11.4	2,070	62	WSW	7.8	1,350	100	W	2.8
6,210	152	NNW	10.8	2,610	98	W	11.6	2,250	69	WSW	8.0	1,530	109	WNW	5.7
6,390	151	NNW	12.2	2,790	97	W	12.2	2,430	78	WSW	8.0	1,710	126	NW	7.7
6,570	151	NNW	13.6	2,970	94	W	11.4	2,610	82	W	10.2	1,890	137	NW	10.5
Disappearance: Distance.				Disappearance: Distance. The weather cleared rapidly during forenoon. It clouded up again between 12h and 13h 30m. Lt. snow was falling at 14h.				2,790	83	W	13.2	2,070	139	NW	12.3
No. 628. July 19, 1934; 10h 02m. Clouds: 4 ASt (SSW?). Vis.: 7. Lt. snow				No. 632. July 20, 1934; 19h 10m. Clouds: Few Ci. Vis.: 8				2,970	90	W	17.3	2,250	133	NW	13.4
Surface	180	N	5.4	Surface	177	N	6.7	3,150	91	W	20.5	2,430	125	NW	14.6
216	172	N	6.7	216	162	NNW	9.0	3,330	87	W	21.7	2,610	119	WNW	14.3
414	165	NNW	5.1	414	140	NW	8.2	3,510	87	W	22.8	2,790	120	WNW	14.6
612	150	NNW	3.7	612	125	NW	8.2	3,690	87	W	23.4	2,970	116	WNW	16.3
801	99	W	3.8	801	118	WNW	8.5	4,050	89	W	22.0	3,150	109	WNW	17.4
990	81	W	6.3	990	109	WNW	7.9	Disappearance: Distance.				3,330	108	WNW	17.7
1,170	81	W	7.5	1,170	100	W	7.0	No. 635. July 22, 1934; 22h 40m. Clouds: 7 St SSE. Vis.: 6				Disappearance: Entered ACu, 3,330 m.			
1,350	78	WSW	6.8	1,350	98	W	6.8	Surface	333	SSE	6.7	No. 638. July 25, 1934; 21h 40m. Clouds: 10 St ENE. Vis.: 6			
1,530	78	WSW	4.4	1,530	98	W	6.5	216	321	SE	9.1	Surface	318	SE	6.7
1,710	81	W	3.3	1,710	96	W	6.8	414	312	SE	14.2	216	279	E	7.5
1,890	75	WSW	4.3	1,890	99	W	8.0	612	310	SE	4.4	414	249	ENE	7.5
2,070	79	W	4.6	2,070	95	W	10.1	801	317	SE	10.9	612	240	ENE	8.7
2,250	53	SW	4.5	2,250	88	W	13.0	990	331	SSE	9.2	Disappearance: Entered St, 612 m.			
2,430	34	SW	4.9	2,430	87	W	14.5	1,170	344	SSE	9.6	No. 639. July 26, 1934; 20h 07m. Clouds: 10 St NE. Vis.: 6. Snowing and lt. drift			
2,610	21	SSW	5.0	Disappearance: Cut off by hatch cover.				1,350	349	S	9.9	Surface	287	ESE	7.6
2,790	14	SSW	4.4	No. 633. July 21, 1934; 9h 45m. Clouds: 0				1,530	350	S	10.2	216	264	E	7.5
2,970	23	SSW	3.4	Surface	46	SW	5.4	1,710	346	SSE	13.0	414	237	ENE	8.0
3,150	25	SSW	3.3	216	36	SW	12.0	1,890	341	SSE	15.5	612	235	NE	9.0
3,330	27	SSW	2.8	414	36	SW	16.4	Disappearance: Entered St, 612 m.							
3,510	30	SSW	2.5	612	38	SW	13.5								
Disappearance: Either cut off by snow or entered ASt, 3,510 m.															
No. 629. July 19, 1934; 13h 35m. Clouds: 10 St NW. Lt. snow. Very thin St clds; Bright stars faintly visible															
Surface	194	NNE	5.8												
216	180	N	8.8												
414	170	N	8.0												
612	147	NNW	7.5												
801	131	NW	3.9												
Disappearance: Entered St, 801 m. Temperature has risen from -59.° last night to -24.° F at present.															

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 640. July 27, 1934; 13h 50m. Clouds: 10 St N. Misting															
Surface	334	SSE	0.9	No. 642—Continued				No. 644—Continued				No. 645—Continued			
216	169	N	1.5	4,410	354	S	2.0	1,710	357	S	1.8	7,830	197	NNE	15.3
Disappearance: Entered St, 216 m.				4,590	3	S	2.1	1,890	10	S	1.5	8,010	197	NNE	18.4
No. 641. July 28, 1934; 9h 40m. Clouds: Few St SSE. Vis.: 8				4,770	7	S	3.2	2,070	15	SSW	1.5	8,190	197	NNE	20.0
Surface	27	SSW	3.6	4,950	2	S	3.3	2,250	61	WSW	1.7	8,370	204	NNE	21.9
216	346	SSE	6.2	5,130	3	S	2.6	2,430	84	W	2.2	8,550	204	NNE	24.7
414	336	SSE	7.0	5,310	351	S	2.7	2,610	103	WNW	2.3	8,730	197	NNE	28.0
612	325	SE	8.8	5,490	351	S	2.8	2,790	132	NW	1.5	8,910	193	NNE	29.5
801	327	SSE	9.2	5,670	356	S	2.2	2,970	163	NNW	1.5	9,090	197	NNE	29.0
990	341	SSE	8.2	5,850	5	S	2.0	3,150	144	NW	2.5	Disappearance: Distance.			
1,170	350	S	8.2	6,030	15	SSW	2.0	3,330	140	NW	3.2	No. 646. July 31, 1934; 9h 10m. Clouds: 1 Ast ENE, Few St N. Vis.: 7			
1,350	4	S	7.2	6,210	15	SSW	2.5	3,510	144	NW	3.1	Surface	300	ESE	1.3
1,530	22	SSW	5.4	6,390	8	S	3.2	3,690	156	NNW	2.9	216	20	SSW	4.4
1,710	34	SW	4.2	6,570	0	S	2.8	3,870	172	N	2.7	414	31	SSW	7.2
1,890	35	SW	4.3	6,750	358	S	2.4	4,050	177	N	2.5	612	29	SSW	7.7
2,070	35	SW	5.1	Disappearance: Lantern against light sky in N.				4,230	182	N	2.5	801	35	SW	4.6
2,250	31	SSW	4.9	No. 643. July 29, 1934; 22h. Clouds: 0. Vis.: 8				4,410	180	N	2.3	990	131	NW	1.0
2,430	24	SSW	5.5	Surface	42	SW	3.1	4,590	175	N	2.1	1,170	199	NNE	3.1
2,610	16	SSW	6.1	216	354	S	2.5	4,770	168	NNW	1.8	1,350	179	N	4.4
2,790	19	SSW	6.1	414	336	SSE	3.2	4,950	170	N	2.2	1,530	169	N	4.7
2,970	32	SSW	5.4	612	347	SSE	4.6	5,130	171	N	2.5	1,710	190	N	3.1
3,150	43	SW	5.3	801	348	SSE	4.9	Disappearance: Candle out out (?).				1,890	197	NNE	3.9
3,330	50	SW	6.1	990	346	SSE	5.0	No. 645. July 30, 1934; 18h 35m. Clouds: 0				2,070	212	NNE	3.3
3,510	57	WSW	6.5	1,170	338	SSE	4.7	Surface	53	SW	3.6	2,250	288	ESE	4.0
3,690	62	WSW	5.6	1,350	325	SE	4.5	216	8	S	9.5	2,430	284	ESE	4.8
3,870	66	WSW	5.0	1,530	327	SSE	4.0	414	9	S	6.4	2,610	287	ESE	4.7
4,050	66	WSW	5.4	1,710	351	S	4.7	612	12	SSW	4.7	2,790	288	ESE	3.8
4,230	62	WSW	6.0	1,890	5	S	5.4	801	4	S	4.3	2,970	282	ESE	3.3
4,410	56	SW	6.7	2,070	9	S	5.3	990	1	S	4.2	3,150	273	E	4.2
4,590	59	WSW	7.1	2,250	6	S	4.6	1,170	13	SSW	3.1	3,330	265	E	4.7
4,770	63	WSW	7.0	2,430	357	S	3.5	1,350	74	WSW	2.5	3,510	262	E	4.3
Disappearance: Background.				2,610	354	S	2.5	1,530	94	W	2.5	3,690	268	E	4.4
No. 642. July 29, 1934; 14h 20m. Clouds: 0. Vis.: 8				2,790	22	SSW	2.6	1,710	94	W	0.5	3,870	267	E	4.4
Surface	41	SW	1.8	2,970	34	SW	3.2	1,890	40	SW	0.7	4,050	255	ENE	3.2
216	340	SSE	4.5	3,150	17	SSW	2.2	2,070	326	SE	1.8	4,230	245	ENE	2.8
414	318	SE	7.6	3,330	0	S	1.7	2,250	299	ESE	1.8	4,410	250	ENE	2.6
612	326	SE	8.2	3,510	7	S	1.2	2,430	285	ESE	1.5	4,590	257	ENE	2.3
801	350	S	7.2	3,690	7	S	1.0	2,610	241	ENE	1.6	4,770	253	ENE	2.3
990	0	S	7.8	3,870	6	S	1.1	2,790	217	NE	2.1	4,950	251	ENE	2.5
1,170	353	S	8.8	4,050	4	S	1.5	2,970	207	NNE	2.7	5,130	244	ENE	2.8
1,350	342	SSE	8.7	4,230	6	S	2.0	3,150	206	NNE	3.5	5,310	231	NE	3.2
1,530	341	SSE	8.2	4,410	14	SSW	2.1	3,330	198	NNE	4.0	5,490	221	NE	3.4
1,710	344	SSE	7.6	4,590	27	SSW	1.6	3,510	194	NNE	3.9	5,670	208	NNE	3.3
1,890	348	SSE	6.7	4,770	38	SW	1.3	3,690	194	NNE	3.5	5,850	210	NNE	3.1
2,070	348	SSE	6.2	4,950	23	SSW	0.9	3,870	194	NNE	4.0	6,030	215	NE	2.8
2,250	354	S	5.8	5,130	310	SE	1.0	4,050	193	NNE	4.0	6,210	215	NE	2.8
2,430	2	S	6.4	5,310	283	ESE	1.4	4,230	194	NNE	3.5	Disappearance: Local smoke.			
2,610	1	S	6.3	5,490	306	SE	1.4	4,410	193	NNE	3.7	No. 647. July 31, 1934; 19h 59m. Clouds: 10 St E. Vis.: 6			
2,790	348	SSE	5.4	5,670	332	SSE	1.5	4,590	190	N	4.0	Surface	6	S	2.7
2,970	345	SSE	4.9	Disappearance: Candle out.				4,770	190	N	3.7	216	310	SE	1.9
3,150	344	SSE	4.1	No. 644. July 30, 1934; 10h 35m. Clouds: 0. Vis.: 8				4,950	190	N	3.5	414	255	ENE	2.7
3,330	346	SSE	3.6	Surface	51	SW	4.0	5,130	192	NNE	3.5	612	243	ENE	4.3
3,510	353	S	3.9	216	33	SSW	2.0	5,310	196	NNE	3.8	801	249	ENE	4.0
3,690	348	SSE	4.2	414	6	S	3.2	5,490	198	NNE	4.4	990	292	ESE	3.4
3,870	347	SSE	3.3	612	353	S	4.3	5,670	194	NNE	4.3	1,170	320	SE	3.4
4,050	355	S	2.3	801	347	SSE	5.8	5,850	188	N	4.5	1,350	305	SE	2.8
4,230	355	S	2.3	990	340	SSE	6.4	6,030	183	N	4.4	1,530	282	ESE	2.0
				1,170	322	SE	5.1	6,210	182	N	5.1	1,710	280	E	2.0
				1,350	297	ESE	3.1	6,390	184	N	7.0	Disappearance: Entered St, 1,710 m.			
				1,530	308	SE	1.9	6,570	189	N	8.3				
								7,110	198	NNE	10.8				
								7,290	200	NNE	12.4				
								7,470	197	NNE	14.8				
								7,650	195	NNE	13.5				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 648. August 1, 1934; 8h 25 m. Clouds: 0. Lt. shal- low fog. Vis.: 4				No. 650—Continued				No. 652—Continued				No. 654—Continued			
Surface	61	WSW	4.5	801	239	ENE	6.7	5,310	252	ENE	7.9	6,930	323	SE	21.5
216	15	SSW	12.3	990	249	ENE	6.4	5,490	247	ENE	8.8	7,110	315	SE	23.8
414	1	S	13.0	1,170	258	ENE	5.5	5,670	244	ENE	8.5	7,290	314	SE	25.4
612	356	S	11.8	1,350	259	E	5.7	5,850	240	ENE	10.0				
801	1	S	8.5	1,530	258	ENE	5.6	6,030	236	NE	12.0				
990	357	S	9.1	1,710	265	E	5.2	6,210	235	NE	13.0				
1,170	347	SSE	10.1	1,890	275	E	5.8								
1,350	345	SSE	10.2	2,070	272	E	6.0	Disappearance: Distance.				Disappearance: Abandoned; Balloon leaking.			
1,530	342	SSE	8.7	2,250	250	ENE	7.3	No. 653. Aug. 4, 1934; 6h 15m. Clouds: 0				No. 655. Aug. 5, 1934; About 13h. Clouds: 8 AST NNE. Vis.: 8			
1,710	337	SSE	7.7	2,430	239	ENE	9.4	Surface	30	SSW	0.9	Surface	284	ESE	7.6
Disappearance: Lt. fog.				2,610	243	ENE	9.0	216	358	S	10.2	216	269	E	9.6
No. 649. Aug. 1, 1934; 18h 52m. Clouds: 0 Lt. shal- low fog. Vis.: 4				2,790	249	ENE	8.9	414	354	S	12.2	414	253	ENE	9.0
Surface	60	WSW	3.1	2,970	248	ENE	9.5	612	358	S	11.4	612	243	ENE	8.5
216	55	SW	5.8	3,150	242	ENE	10.5	801	2	S	10.4	801	233	NE	8.5
414	60	WSW	7.8	3,330	238	ENE	11.4	990	7	S	9.7	990	223	NE	10.3
612	68	WSW	8.5	Disappearance: Entered AST, 3,330 m.				1,170	14	SSW	8.4	1,170	212	NNE	12.4
801	68	WSW	7.4	No. 651. Aug. 3, 1934; 9h 25m. Clouds: 10 St E. Vis.: 7				1,350	21	SSW	8.1	1,350	209	NNE	13.2
990	65	WSW	6.9	Surface	346	SSE	2.2	1,530	29	SSW	6.5	1,530	214	NE	13.0
1,170	61	WSW	6.7	216	352	S	6.4	1,710	45	SW	3.9	1,710	221	NE	12.7
1,350	62	WSW	6.9	414	323	SE	7.0	1,890	35	SW	1.9	1,890	226	NE	12.2
1,530	71	WSW	7.0	612	310	SE	8.0	2,070	18	SSW	1.5	2,070	226	NE	12.9
1,710	84	W	6.6	801	291	ESE	7.5	Disappearance: Abandoned.				2,250	225	NE	13.5
1,890	82	W	6.3	990	266	E	7.6	No. 654. Aug. 4, 1934; 18h 50m. Clouds: 0. Vis.: 7				2,430	222	NE	13.2
2,070	76	WSW	5.2	1,170	261	E	8.8	Surface	42	SW	1.8	2,610	219	NE	13.5
2,250	70	WSW	3.9	1,350	263	E	11.0	216	136	NW	2.1	2,790	216	NE	12.8
2,430	73	WSW	3.3	1,530	263	E	11.5	414	133	NW	4.1	2,970	215	NE	13.1
2,610	89	W	2.6	1,620	263	E	10.5	612	96	W	4.0	3,150	212	NNE	14.4
2,790	122	WNW	2.5	Disappearance: Entered St, 1,620 m.				801	81	W	5.1	3,330	211	NNE	14.4
2,970	148	NNW	2.8	No. 652. Aug. 3, 1934; 16h 32m. Clouds: 0. Vis.: 8				990	76	WSW	4.7	Disappearance: Entered AST, 3,330 m.			
3,150	164	NNW	2.5	Surface	324	SE	1.3	1,170	73	WSW	3.0	No. 656. Aug. 6, 1934; 14h 40m. Clouds: 10 AST SSE. Vis.: 8			
3,330	181	N	2.2	216	343	SSE	3.3	1,350	80	W	1.8	Surface	34	SW	5.8
3,510	225	NE	2.5	414	336	SSE	4.1	1,530	88	W	1.2	216	31	SSW	10.0
3,690	342	SSE	3.9	612	334	SSE	5.8	1,710	59	WSW	1.5	414	34	SW	9.5
3,870	67	WSW	2.9	801	327	SSE	6.7	1,890	8	S	1.5	612	32	SSW	8.2
4,050	195	NNE	1.5	990	307	SE	7.0	2,070	343	SSE	1.7	801	27	SSW	8.7
4,230	255	ENE	1.8	1,170	287	ESE	8.5	2,250	348	SSE	1.6	990	26	SSW	8.5
4,410	252	ENE	2.5	1,350	278	E	9.7	2,430	11	S	0.9	1,170	21	SSW	7.5
4,590	235	NE	2.3	1,530	273	E	9.5	2,610	230	NE	0.7	1,350	26	SSW	6.4
4,770	195	NNE	1.3	1,710	262	E	8.8	2,790	194	NNE	0.8	1,530	27	SSW	7.0
4,950	178	N	1.5	1,890	251	ENE	9.2	2,970	207	NNE	1.4	1,710	20	SSW	8.5
5,130	155	NNW	1.8	2,070	249	ENE	8.5	3,150	246	ENE	2.2	1,890	15	SSW	8.5
5,310	186	N	3.0	2,250	250	ENE	6.7	3,330	295	ESE	3.2	2,070	11	S	8.5
5,490	211	NNE	4.3	2,430	253	ENE	5.5	3,510	308	SE	4.8	2,250	10	S	9.1
5,670	217	NE	5.5	2,610	258	ENE	5.8	3,690	317	SE	5.5	2,430	13	SSW	9.2
5,850	219	NE	6.4	2,790	250	ENE	6.7	3,870	329	SSE	5.2	2,610	9	S	9.3
6,030	223	NE	6.6	2,970	285	ESE	8.9	4,050	333	SSE	5.5	2,790	353	S	9.6
6,210	229	NE	6.8	3,150	228	NE	10.8	4,230	318	SE	5.9	2,970	345	SSE	9.8
6,390	235	NE	7.0	3,330	224	NE	10.3	4,410	306	SE	6.9	3,150	347	SSE	10.3
6,570	233	NE	6.6	3,510	226	NE	8.8	4,590	305	SE	7.7	3,330	350	S	11.8
6,750	223	NE	6.2	3,690	239	ENE	7.8	4,770	302	ESE	8.2	3,510	351	S	12.5
Disappearance: Candle out.				3,870	250	ENE	8.0	4,950	306	SE	7.7	3,690	355	S	12.3
No. 650. Aug. 2, 1934; 9h 40m. Clouds: Few CiSt, 8 AST ENE. Vis.: 5				4,050	246	ENE	8.1	5,130	322	SE	6.6	3,870	349	S	13.0
Surface	256	ENE	5.8	4,230	239	ENE	7.7	5,310	328	SSE	6.5	4,050	347	SSE	12.5
216	276	E	8.3	4,410	244	ENE	7.5	5,490	347	SSE	6.6	4,230	348	SSE	12.0
414	253	ENE	4.1	4,590	250	ENE	7.0	5,670	335	SSE	8.0	Disappearance: Entered AST, 4,230 m.			
612	234	ENE	5.4	4,770	242	ENE	6.7	5,850	321	SE	8.8				
				4,950	237	ENE	6.3	6,030	330	SSE	10.5				
				5,130	248	ENE	6.1	6,210	328	SSE	14.7				
								6,390	328	SSE	16.5				
								6,570	332	SSE	16.8				
								6,750	331	SSE	19.4				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

TABLE 21.—Results of pilot balloon ascents at Little America—Continued																
No. 657. Aug. 6, 1934; 21h 15m. Clouds: 0. Vis.: 8				No. 659—Continued				No. 662. Aug. 9, 1934; 11h 37m. Clouds: 10 St NE. Vis.: 5				No. 664—Continued				
Altitude m.				Altitude m.				Altitude m.				Altitude m.				
Wind				Wind				Wind				Wind				
Azimuth 0°=S 90°=W				Azimuth 0°=S 90°=W				Azimuth 0°=S 90°=W				Azimuth 0°=S 90°=W				
Direction				Direction				Direction				Direction				
Velocity m. p. s.				Velocity m. p. s.				Velocity m. p. s.				Velocity m. p. s.				
Surface	358	S	1.3	612	186	N	3.2	Surface	319	SE	4.5	2,790	231	NE	6.5	
216	6	S	2.8	801	180	N	3.0	216	294	ESE	8.0	2,970	225	NE	7.4	
414	10	S	4.5	990	176	N	2.4	414	282	ESE	11.5	3,150	218	NE	8.0	
612	12	SSW	5.1	1,170	165	NNW	1.6	612	254	ENE	2.4	Disappearance: Entered Ast, 3,150 m.				
801	29	SSW	4.8	1,350	138	NW	2.0	801	232	NE	2.2	No. 665. Aug. 10, 1934; 21h 22m. Clouds: 0. Vis.: 8				
990	28	SSW	6.3	1,530	130	NW	2.9	990	228	NE	2.0	Surface	72	WSW	0.9	
1,170	24	SSW	7.0	1,710	131	NW	3.0	Disappearance: Entered St, 990 m.				216	314	SE	7.2	
1,350	22	SSW	7.0	1,890	135	NW	2.3	No. 663. Aug. 9, 1934; 17h 35m. Clouds: 0. Vis.: 7	216	304	SE	3.5	414	306	SE	12.4
1,530	17	SSW	6.7	2,070	143	NW	2.7	Surface	335	SSE	3.1	612	300	ESE	13.3	
1,710	8	S	6.8	2,250	142	NW	3.5	216	304	SE	3.0	801	297	ESE	11.3	
1,890	1	S	6.9	2,430	142	NW	3.8	414	282	ESE	2.9	990	304	SE	8.9	
2,070	351	S	6.8	2,610	143	NW	3.6	612	282	ESE	2.9	1,170	314	SE	7.4	
2,250	345	SSE	6.3	2,790	129	NW	3.5	801	256	ENE	3.0	1,350	315	SE	7.5	
2,430	341	SSE	5.2	2,970	128	NW	3.5	990	219	NE	4.2	1,530	304	SE	8.5	
2,610	347	SSE	4.7	3,150	128	NW	3.8	1,170	205	NNE	4.5	1,710	292	ESE	10.0	
2,790	359	S	5.2	3,330	116	WNW	4.5	1,350	207	NNE	5.0	1,890	287	ESE	11.3	
2,970	5	S	7.3	3,510	98	W	5.5	1,530	209	NNE	6.8	2,070	280	E	10.3	
3,150	8	S	9.5	3,690	90	W	6.7	1,710	206	NNE	8.0	2,250	280	E	9.0	
3,330	7	S	10.9	3,870	95	W	7.5	1,890	204	NNE	8.8	2,430	284	ESE	9.0	
3,510	4	S	12.3	4,050	95	W	7.8	2,070	200	NNE	9.3	2,610	278	E	9.0	
3,690	1	S	12.6	4,230	90	W	7.3	2,250	193	NNE	8.0	2,790	270	E	10.0	
3,870	359	S	12.4	4,410	86	W	6.3	2,430	196	NNE	6.7	2,970	265	E	10.4	
4,050	359	S	12.2	4,590	82	W	7.1	2,610	200	NNE	6.7	3,150	260	E	9.0	
4,230	2	S	13.5	4,770	83	W	9.0	2,790	197	NNE	6.0	3,330	256	ENE	9.3	
4,410	3	S	14.5	4,950	86	W	9.3	2,970	198	NNE	4.8	3,510	255	ENE	8.2	
4,590	2	S	16.2	5,130	89	W	9.2	3,150	210	NNE	4.0	3,690	249	ENE	6.1	
4,770	0	S	17.5	5,310	95	W	14.6	3,330	221	NE	3.9	3,870	240	ENE	6.8	
4,950	357	S	17.5	5,490	97	W	20.5	3,510	216	NE	4.0	4,050	238	ENE	7.5	
5,130	354	S	16.5	5,670	96	W	21.5	3,690	204	NNE	4.7	4,230	240	ENE	8.8	
5,310	359	S	17.1	5,850	97	W	23.0	3,870	203	NNE	5.2	4,410	245	ENE	10.3	
5,490	5	S	18.0	6,030	98	W	26.4	4,050	207	NNE	5.2	4,590	241	ENE	9.2	
Disappearance: Distance.				6,210	101	W	30.4	4,230	207	NNE	5.5	4,770	232	NE	7.7	
No. 658. Aug. 7, 1934; 9h 44m. Clouds: 5 Ast S. Vis.: 8				6,390	102	WNW	32.4	4,410	205	NNE	6.2	4,950	227	NE	7.0	
Surface	321	SE	1.8	6,570	102	WNW	35.0	4,590	205	NNE	6.6	5,130	229	NE	7.2	
216	330	SSE	4.5	6,750	104	WNW	39.0	4,770	205	NNE	6.5	5,310	227	NE	6.8	
414	310	SE	4.2	6,930	106	WNW	40.8	Disappearance: Poor visi- bility aloft.				5,490	222	NE	6.0	
612	288	ESE	3.1	Disappearance: Distance.				No. 664. Aug. 10, 1934; 9h 55m. Clouds: 10 Ast NE. Vis.: 6	4,590	205	NNE	6.6	5,670	222	NE	5.5
801	298	ESE	3.5	No. 660. Aug. 8, 1934; 8h 55m. Clouds: 10 St NNW. Lt. fog				4,770	205	NNE	6.5	5,850	218	NE	5.5	
990	313	SE	4.4	Surface	250	ENE	4.5	No. 661. Aug. 8, 1934; 20h 07m. Clouds: 10 St ESE. Vis.: 6. Lt. snow				6,030	201	NNE	5.3	
1,170	327	SSE	4.5	216	191	N	5.0	Surface	7	S	0.9	6,210	184	N	5.1	
1,350	333	SSE	4.4	315	161	NNW	5.4	216	288	ESE	9.2	6,390	176	N	5.2	
1,530	341	SSE	4.4	Disappearance: Entered St, 315 m.				414	289	ESE	9.9	6,570	183	N	5.2	
1,710	332	SSE	4.1	No. 662. Aug. 8, 1934; 20h 07m. Clouds: 10 St ESE. Vis.: 6. Lt. snow				612	284	ESE	5.2	6,750	187	N	5.7	
1,890	339	SSE	3.5	Surface	277	E	4.9	801	248	ENE	2.7	6,930	179	N	6.2	
2,070	359	S	3.1	216	295	ESE	3.8	990	195	NNE	3.0	Disappearance: Distance.				
2,250	1	S	3.4	414	310	SE	4.4	1,170	203	NNE	3.7	No. 666. Aug. 11, 1934; 14h 08m. Clouds: 0				
2,430	359	S	4.6	612	304	SE	4.2	1,350	243	ENE	3.9	Surface	53	SW	3.6	
2,610	0	S	5.4	801	293	ESE	3.0	1,530	258	ENE	5.5	216	357	S	11.3	
2,790	2	S	5.5	990	298	ESE	4.5	1,710	253	ENE	7.3	414	341	SSE	16.4	
2,970	5	S	5.2	Disappearance: Entered St, 990 m.				1,890	252	ENE	9.0	612	345	SSE	16.2	
3,150	8	S	5.0	No. 663. Aug. 8, 1934; 20h 07m. Clouds: 10 St ESE. Vis.: 6. Lt. snow				2,070	251	ENE	9.8	801	350	S	15.5	
Disappearance: Entered Ast, 3,150 m.				No. 664. Aug. 8, 1934; 20h 07m. Clouds: 10 St ESE. Vis.: 6. Lt. snow				2,250	245	ENE	8.8	990	341	SSE	14.4	
No. 659. Aug. 7, 1934; 18h 40m. Clouds: 0. Vis.: 8				No. 665. Aug. 8, 1934; 20h 07m. Clouds: 10 St ESE. Vis.: 6. Lt. snow				2,430	235	NE	7.1	1,170	331	SSE	12.0	
Surface	calm	-----	calm	No. 666. Aug. 8, 1934; 20h 07m. Clouds: 10 St ESE. Vis.: 6. Lt. snow				2,610	230	NE	6.4	1,350	335	SSE	11.3	
216	46	SW	2.3	No. 667. Aug. 8, 1934; 20h 07m. Clouds: 10 St ESE. Vis.: 6. Lt. snow				Disappearance: Poor visi- bility aloft.				1,530	339	SSE	12.5	
414	191	N	2.3	No. 668. Aug. 8, 1934; 20h 07m. Clouds: 10 St ESE. Vis.: 6. Lt. snow				No. 669. Aug. 8, 1934; 20h 07m. Clouds: 10 St ESE. Vis.: 6. Lt. snow				No. 670. Aug. 8, 1934; 20h 07m. Clouds: 10 St ESE. Vis.: 6. Lt. snow				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 667. Aug. 11, 1934; 22h 06m. Clouds: 0. Vis.: 2. Heavy shower of ice crystals				No. 669—Continued				No. 672. Aug. 14, 1934; 16h 53m. Clouds: 10 St WNW. Vis.: 6. Lt. snow				No. 675—Continued			
Surface	23	SSW	3.6	2,790	345	SSE	14.5	Surface	86	W	5.4	2,250	145	NW	11.6
216	151	NNW	4.0	2,970	344	SSE	14.6	216	113	WNW	11.8	2,430	147	NNW	11.2
414	279	E	4.3	3,150	347	SSE	14.0	414	119	WNW	14.2	2,610	153	NNW	10.4
Disappearance: Shower of ice crystals.				3,330	352	S	15.0	612	119	WNW	14.0	2,790	149	NNW	10.3
No. 668. Aug. 12, 1934; 9h 16m. Clouds: 8 ASt SE. Vis.: 8				3,510	352	S	14.1	Disappearance: Entered St, 612 m.				2,970	143	NW	10.4
Surface	55	SW	2.7	3,690	354	S	12.4	No. 673. Aug. 15, 1934; 12h 05m. Clouds: 9 ASt WNW. Vis.: 8				Disappearance: Heavy shower of ice crystals.			
216	58	WSW	7.6	Disappearance: Distance.				Surface	244	ENE	3.1	No. 676. Aug. 20, 1934; 12h. Clouds: 0. Vis.: 7			
414	75	WSW	9.2	Surface	51	SW	6.7	216	207	NNE	5.3	Surface	2	S	0.9
612	85	W	8.4	216	29	SSW	14.1	414	200	NNE	6.5	216	359	S	8.5
801	65	WSW	6.5	414	26	SSW	16.5	612	202	NNE	8.1	414	348	SSE	9.0
990	95	W	5.3	612	30	SSW	15.9	801	202	NNE	8.5	612	348	SSE	8.1
1,170	82	W	4.1	801	35	SW	16.7	990	196	NNE	8.6	801	355	S	8.4
1,350	64	WSW	4.5	990	35	SW	17.8	1,170	187	N	7.4	990	6	S	8.6
1,530	46	SW	5.0	1,170	33	SSW	16.0	1,350	173	N	5.6	1,170	14	SSW	6.4
1,710	29	SSW	3.7	1,350	34	SW	15.0	1,530	152	NNW	6.3	1,350	23	SSW	4.2
1,890	20	SSW	2.4	1,530	40	SW	15.2	1,710	147	NNW	7.2	1,530	30	SSW	3.9
2,070	345	SSE	2.5	1,710	39	SW	14.9	1,890	143	NW	7.4	1,710	42	SW	3.0
2,250	344	SSE	3.9	1,890	40	SW	15.1	2,070	137	NW	8.2	1,890	56	SW	2.5
2,430	330	SSE	6.0	2,070	42	SW	15.5	2,250	131	NW	7.7	2,070	67	WSW	3.2
2,610	324	SE	7.6	2,250	42	SW	16.2	2,430	127	NW	7.5	2,250	74	WSW	5.0
2,790	327	SSE	8.2	2,430	42	SW	17.0	2,610	122	WNW	7.3	2,430	78	WSW	6.2
2,970	331	SSE	6.8	2,610	44	SW	17.5	2,790	118	WNW	8.9	2,610	90	W	7.5
3,150	333	SSE	10.5	2,790	45	SW	17.8	2,970	116	WNW	10.1	2,790	100	W	8.4
3,330	333	SSE	12.1	Disappearance: (?).				2,610	116	WNW	11.5	2,970	107	WNW	8.7
3,510	332	SSE	12.5	No. 671. Aug. 13, 1934; 18h 40m. Clouds: 0				2,790	116	WNW	12.8	3,150	110	WNW	9.5
3,690	329	SSE	12.9	Surface	77	WSW	3.1	Disappearance: Entered ASt, 3,330 m.				3,330	112	WNW	9.5
3,870	325	SE	13.9	216	46	SW	12.0	No. 674. Aug. 16, 1934; 21h 12m. Clouds: 10 St ENE. Vis.: 7				3,510	117	WNW	10.3
4,050	324	SE	14.5	414	48	SW	15.8	Surface	50	SW	2.7	3,690	119	WNW	11.0
4,230	324	SE	13.0	612	51	SW	18.3	216	281	E	4.3	Disappearance: Local smoke and frost on lens.			
4,410	317	SE	11.7	801	48	SW	21.2	414	251	ENE	6.0	No. 677. Aug. 20, 1934; 19h 04m. Clouds: 0. Vis.: 7			
4,590	312	SE	12.0	990	45	SW	24.4	612	242	ENE	6.8	Surface	27	SSW	3.6
4,770	310	SE	13.0	1,170	45	SW	24.5	Disappearance: Entered St, 612 m. Water sky in north.				216	2	S	10.4
4,950	304	SE	13.0	1,350	44	SW	25.0	No. 675. Aug. 18, 1934; 19h. Clouds: Few ASt NW. Vis.: 6				414	358	S	12.4
5,130	304	SE	13.0	1,530	45	SW	23.5	Surface	234	NE	6.7	612	1	S	12.1
Disappearance: Entered ASt, 5,130 m.				1,710	52	SW	19.9	216	164	NNW	8.6	801	3	S	11.2
No. 669. Aug. 12, 1934; 21h 15m. Clouds: 0. Vis.: 8. Ice crystals falling				1,890	57	WSW	19.3	414	138	NW	9.6	990	3	S	9.5
Surface	38	SW	4.9	2,070	55	SW	19.0	612	124	NW	10.0	1,170	5	S	7.0
216	17	SSW	11.0	2,250	55	SW	16.5	801	116	WNW	9.0	1,350	16	SSW	6.0
414	12	SSW	11.4	2,430	61	WSW	14.4	990	106	WNW	8.2	1,530	21	SSW	5.2
612	3	S	10.7	2,610	70	WSW	13.5	1,170	99	W	8.9	1,710	21	SSW	4.5
801	1	S	11.4	2,790	72	WSW	12.6	1,350	98	W	8.8	Disappearance: Abandoned; balloon leaking.			
990	12	SSW	11.7	2,970	70	WSW	12.2	1,530	106	WNW	8.2	No. 678. Aug. 20, 1934; 21h 10m. Clouds: 0. Ice crys- tals falling			
1,170	19	SSW	10.5	3,150	68	WSW	11.7	1,710	129	NW	9.5	Surface	26	SSW	2.2
1,350	8	S	9.2	3,330	69	WSW	12.6	1,890	145	NW	11.1	216	9	S	11.5
1,530	357	S	9.4	3,510	75	WSW	13.0	2,070	150	NNW	11.5	414	9	S	12.4
1,710	355	S	12.5	3,690	90	W	10.4	Disappearance: Distance.				612	10	S	10.9
1,890	355	S	14.0	3,870	94	W	9.8	No. 679. Aug. 20, 1934; 21h 10m. Clouds: 0. Ice crys- tals falling				801	10	S	8.9
2,070	354	S	15.3	4,050	87	W	11.8	Surface	234	NE	6.7	990	17	SSW	6.7
2,250	354	S	15.6	4,230	85	W	10.0	216	164	NNW	8.6	1,170	26	SSW	5.2
2,430	351	S	15.2	4,410	82	W	9.2	414	138	NW	9.6				
2,610	346	SSE	14.8	4,590	82	W	12.6	612	124	NW	10.0				
				4,770	82	W	10.4	801	116	WNW	9.0				
				4,950	84	W	9.8	990	106	WNW	8.2				
				5,130	88	W	11.6	1,170	99	W	8.9				
								1,350	98	W	8.8				
								1,530	106	WNW	8.2				
								1,710	129	NW	9.5				
								1,890	145	NW	11.1				
								2,070	150	NNW	11.5				

TABLE 27.—Results of pilot balloon acent at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 678—Continued				No. 680—Continued				No. 682. Aug. 25, 1934; 11h 30m. Clouds: 8 ASst SSE. Vis. 6. Lt. snow.				No. 684—Continued			
1,350	29	SSW	4.3	1,890	66	WSW	8.1	Surface	14	SSW	1.8	801	9	S	4.0
1,530	43	SW	4.3	2,070	64	WSW	8.5	216	2	S	4.7	990	8	S	3.5
1,710	55	SW	4.5	2,250	75	WSW	7.5	414	338	SSE	5.3	1,170	2	S	4.2
1,890	66	WSW	4.1	2,430	75	WSW	8.2	612	344	SSE	4.9	1,350	358	S	5.7
2,070	83	W	3.6	2,610	74	WSW	7.8	801	356	S	4.4	1,530	0	S	6.7
2,250	112	WNW	3.9	2,790	77	WSW	7.3	990	350	S	3.2	1,710	13	SSW	7.4
2,430	116	WNW	5.3	2,970	78	WSW	7.5	1,170	316	SE	2.9	1,890	15	SSW	9.5
2,610	111	WNW	6.0	3,150	79	W	7.2	1,350	322	SE	2.8	2,070	13	SSW	11.0
2,790	117	WNW	5.7	3,330	86	W	6.8	1,530	333	SSE	3.7	2,250	11	S	10.6
2,970	133	NW	5.7	3,510	87	W	7.1	1,710	328	SSE	5.2	2,430	1	S	10.4
3,150	136	NW	6.9	3,690	88	W	6.6	1,890	335	SSE	5.8	2,610	359	S	9.9
3,330	135	NW	7.6	3,870	93	W	5.8	2,070	332	SSE	6.5	2,790	0	S	10.0
3,510	139	NW	8.0	4,050	103	WNW	5.5	2,250	326	SE	7.6	2,970	2	S	8.6
3,690	141	NW	8.9	4,230	112	WNW	5.6	2,430	328	SSE	8.3	3,150	4	S	11.1
3,870	144	NW	9.3	4,410	106	WNW	5.8	2,610	331	SSE	9.6	3,330	3	S	11.5
4,050	144	NW	10.0	4,590	99	W	6.5	2,790	332	SSE	10.8	3,510	1	S	12.0
4,230	146	NW	11.7	4,770	97	W	7.7	2,970	333	SSE	11.1	3,690	357	S	12.0
4,410	147	NNW	12.5	4,950	90	W	8.0	3,150	332	SSE	13.4	3,870	352	S	12.5
4,590	147	NNW	13.9	5,130	87	W	7.6	3,330	330	SSE	15.0	4,050	346	SSE	12.7
4,770	146	NW	14.6	Disappearance: Distance, Ice crystals in air and local smoke.				Disappearance: Entered ASst, 3,330 m.				Disappearance: Ice crystals in air. Visibility cut down by falling ice crystals.			
4,950	147	NNW	14.8	No. 681. Aug. 24, 1934; 18h 50m. Clouds: 0. Vis.: 8. Ice crystals falling				No. 683. Aug. 25, 1934, 18h 08m. Clouds: 0. Vis.: 8				No. 685. Aug. 27, 1934; 11h 16m. Clouds: Few St W. Vis.: 8			
5,130	149	NNW	14.9	Surface	254	ENE	2.7	Surface	6	S	1.3	Surface	23	SSW	0.9
5,310	149	NNW	15.4	216	311	SE	4.7	216	292	ESE	4.7	216	87	W	5.8
5,490	147	NNW	17.3	414	1	S	4.4	414	301	ESE	4.3	414	95	W	7.0
5,670	146	NW	18.0	612	5	S	4.2	612	292	ESE	4.0	612	86	W	5.5
Disappearance: Distance and ice crystals in air.				801	6	S	3.5	801	277	E	5.5	801	84	W	4.3
No. 679. Aug. 21, 1934; 11h 10m. Clouds: Few Ci NW. Vis.: 7				990	342	SSE	2.7	990	269	E	5.5	990	92	W	3.7
Surface	60	WSW	2.2	1,170	319	SE	3.3	1,170	265	E	4.6	1,170	79	W	5.0
216	36	SW	7.7	1,350	314	SE	3.4	1,350	262	E	3.9	1,350	65	WSW	5.7
414	38	SW	7.6	1,530	319	SE	3.2	1,530	261	E	4.7	1,530	65	WSW	6.3
612	40	SW	6.6	1,710	329	SSE	4.1	1,710	259	E	5.2	1,710	71	WSW	6.9
801	46	SW	5.9	1,890	322	SE	4.8	1,890	257	ENE	5.3	1,890	79	W	6.5
990	46	SW	5.0	2,070	317	SE	4.7	2,070	261	E	6.0	2,070	85	W	7.0
1,170	39	SW	5.1	2,250	322	SE	4.8	2,250	259	E	7.0	2,250	88	W	7.5
1,350	35	SW	4.8	2,430	318	SE	5.1	2,430	253	ENE	7.8	2,430	89	W	8.0
1,530	33	SSW	4.2	2,610	305	SE	5.3	2,610	251	ENE	8.4	2,610	84	W	8.8
1,710	32	SSW	4.1	2,790	293	ESE	4.8	2,790	246	ENE	9.9	2,790	82	W	9.3
1,890	39	SW	4.0	2,970	285	ESE	4.2	2,970	235	NE	12.3	2,970	83	W	9.4
2,070	42	SW	4.1	3,150	274	E	4.4	3,150	230	NE	13.3	Disappearance: Bursting.			
2,250	55	SW	3.5	3,330	272	E	4.5	3,330	225	NE	13.7	No. 686. Aug. 28, 1934; 19h 15m. Clouds: 0			
2,430	83	W	3.2	3,510	272	E	4.7	3,510	219	NE	15.0	Surface	258	ENE	6.3
2,610	92	W	3.4	3,690	271	E	4.8	3,690	216	NE	17.7	216	216	NE	11.2
2,790	95	W	3.4	3,870	269	E	4.8	3,870	212	NNE	18.6	414	206	NNE	12.0
2,970	97	W	3.2	4,050	263	E	4.7	4,050	211	NNE	20.9	612	201	NNE	13.0
3,150	103	WNW	3.3	4,230	272	E	4.1	4,230	212	NNE	20.1	801	201	NNE	11.4
3,330	103	WNW	3.4	4,410	288	ESE	3.8	4,410	213	NNE	17.9	990	212	NNE	8.0
Disappearance: Frost on lens.				4,590	287	ESE	3.8	4,590	212	NNE	17.7	1,170	231	NE	7.5
No. 680. Aug. 21, 1934; 20h 28m. Clouds: 0. Vis.: 8. Lt. shower of ice crystals				4,770	290	ESE	3.8	4,770	215	NE	16.1	1,350	255	ENE	5.9
Surface	268	E	1.3	4,950	303	ESE	3.5	4,950	219	NE	14.4	1,530	286	ESE	5.5
216	75	WSW	6.8	5,130	314	SE	3.0	5,130	224	NE	12.6	1,710	288	ESE	7.6
414	79	W	11.5	5,310	321	SE	3.2	5,310	226	NE	12.2	1,890	287	ESE	7.0
612	74	WSW	11.4	5,490	321	SE	3.8	Disappearance: Distance.				2,070	282	ESE	5.6
801	64	WSW	9.3	5,670	319	SE	4.2	No. 684. Aug. 26, 1934; 18h 35m. Clouds: 0. Vis.: 6. Ice crystals falling				2,250	278	E	3.7
990	67	WSW	7.0	5,850	320	SE	4.7	Surface	3	S	5.4	2,430	281	E	2.0
1,170	81	W	6.5	6,030	320	SE	5.1	216	12	SSW	9.9	2,610	284	ESE	2.2
1,350	72	WSW	7.0	6,210	323	SE	4.9	414	15	SSW	8.6	2,790	261	E	3.4
1,530	63	WSW	7.7	6,390	322	SE	4.8	612	17	SSW	5.7				
1,710	70	WSW	8.1	6,570	320	SE	5.7								
				6,750	323	SE	6.6								
				Disappearance: Local smoke.											

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 686—Continued			
2,970	239	ENE	5.1
3,150	234	NE	6.8
3,330	238	ENE	7.2
3,510	233	NE	4.7
3,690	214	NE	2.9
3,870	226	NE	1.8
4,050	29	SSW	1.5
4,230	35	SW	2.5
4,410	4	S	2.0
4,590	331	SSE	1.7
4,770	12	SSW	1.8
4,950	69	WSW	3.1
5,130	52	SW	5.0
5,310	45	SW	5.4
5,490	45	SW	5.8
5,670	49	SW	7.2
5,850	35	SW	6.0
6,030	26	SSW	3.5
6,210	54	SW	2.9
6,390	43	SW	2.5
6,570	43	SW	1.9
6,750	72	WSW	2.0
6,930	60	WSW	2.5
7,110	56	SW	2.6
7,290	61	WSW	3.8
7,470	49	SW	4.5
7,650	33	SSW	3.2
7,830	21	SSW	2.0

Disappearance: Candle out.			
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No. 687. Aug. 29, 1934; 10h 55m. Clouds: 8 Ast. Vis.: 8. Lt. shower of ice crystals falling.			
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Surface	265	E	1.8
216	308	SE	5.3
414	339	SSE	5.7
612	346	SSE	6.1
801	326	SE	4.8
990	291	ESE	4.3
1,170	283	ESE	4.8
1,350	285	ESE	5.7
1,530	293	ESE	7.0
1,710	290	ESE	9.5
1,890	284	ESE	9.5
2,070	282	ESE	10.0

Disappearance: Local smoke.			
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No. 688. Aug. 29, 1934; 18h 05m. Clouds: 0. Vis.: 6			
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Surface	332	SSE	1.8
216	286	ESE	7.0
414	295	ESE	5.1
612	289	ESE	4.6
801	285	ESE	4.9
990	270	E	4.8
1,170	265	E	4.4
1,350	284	ESE	5.8
1,530	308	SE	9.0
1,710	314	SE	9.4
1,890	294	ESE	9.7

Disappearance: Bursting.			
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Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 688—Continued			
2,070	289	ESE	11.5
2,250	284	ESE	11.8
2,430	290	ESE	12.4
2,610	298	ESE	12.3
2,790	299	ESE	11.8
2,970	296	ESE	11.9
3,150	294	ESE	11.5
3,330	295	ESE	8.8

Disappearance: Falling ice crystals.			
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No. 689. Aug. 30, 1934; 11h 05m. Clouds: 0. Vis.: 8			
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Surface	341	SSE	0.9
216	353	S	6.1
414	350	S	6.7
612	338	SSE	7.3
801	340	SSE	7.2
990	350	S	8.2
1,170	358	S	7.4
1,350	2	S	5.7
1,530	356	S	5.4
1,710	355	S	5.5
1,890	358	S	5.9
2,070	357	S	5.5
2,250	341	SSE	4.9
2,430	324	SE	5.0
2,610	326	SE	4.3
2,790	323	SE	3.7
2,970	329	SSE	3.2
3,150	343	SSE	3.7
3,330	348	SSE	4.3
3,510	338	SSE	3.9
3,690	320	SE	2.4
3,870	292	ESE	1.5
4,050	249	ENE	1.1
4,230	61	WSW	1.0
4,410	349	S	0.8
4,590	267	E	0.3
4,770	168	NNW	0.7
4,950	80	W	2.7
5,130	59	WSW	3.7
5,310	48	SW	3.5
5,490	47	SW	3.0
5,670	54	SW	3.2
5,850	52	SW	4.6
6,030	42	SW	5.8
6,210	32	SSW	5.8
6,390	26	SSW	5.5
6,570	29	SSW	5.5
6,750	39	SW	6.9
6,930	43	SW	8.2
7,110	43	SW	7.5
7,290	53	SW	7.1
7,470	63	WSW	7.2
7,650	65	WSW	6.5
7,830	70	WSW	6.0
8,010	70	WSW	5.8
8,190	68	WSW	6.5
8,370	63	WSW	8.5
8,550	59	WSW	10.3
8,730	59	WSW	11.0

Disappearance: Bursting.			
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Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 690. Aug. 30, 1934; 20h 30m. Clouds: 0. Vis.: 7. Lt. shower of ice crystals			
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Surface	calm	-----	calm
216	352	S	4.0
414	350	S	6.6
612	346	SSE	8.5
801	344	SSE	10.3
990	342	SSE	9.3
1,170	344	SSE	10.0
1,350	350	S	11.2
1,530	0	S	9.2
1,710	320	SE	11.4
1,890	313	SE	9.7
2,070	64	WSW	10.0
2,250	40	SW	9.0
2,430	326	SE	3.4
2,610	325	SE	3.8
2,790	317	SE	4.0
2,970	310	SE	3.5
3,150	310	SE	2.5
3,330	312	SE	1.7
3,510	305	SE	1.2

Disappearance: Candle out.			
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No. 691. Aug. 31, 1934; 10h 32m. Clouds: 0. Lt. fog. Vis.: 5			
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Surface	35	SW	2.2
216	8	S	7.1
414	356	S	6.2
612	356	S	8.0
801	3	S	8.3
990	8	S	8.2
1,170	11	S	8.9
1,350	11	S	9.6

Disappearance: Cut off by fog.			
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No. 692. Aug. 31, 1934; 20h 55m. Clouds: 0. Lt. fog			
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Surface	43	SW	5.4
216	26	SSW	12.7
414	19	SSW	12.9
612	6	S	11.0
801	358	S	8.7
990	12	SSW	7.4
1,170	14	SSW	7.6
1,350	349	S	6.1
1,530	335	SSE	4.3
1,710	332	SSE	3.9
1,890	317	SE	5.1
2,070	310	SE	6.7
2,250	292	ESE	7.3
2,430	268	E	6.8
2,610	240	ENE	5.8
2,790	230	NE	7.6
2,970	231	NE	10.2
3,150	220	NE	10.7
3,330	211	NNE	10.7

Disappearance: Cut off by fog.			
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Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.

No. 693. Sept. 1, 1934; 10h 18m. Clouds: 10 Ast ENE. Vis.: 6.			
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Surface	48	SW	3.1
216	8	S	9.2
414	0	S	10.3
612	350	S	10.4
801	346	SSE	10.5
990	350	S	10.4
1,170	351	S	10.2
1,350	346	SSE	10.3
1,530	321	SE	6.4
1,710	293	ESE	5.0
1,890	301	ESE	5.8
2,070	285	ESE	5.3
2,250	266	E	6.5
2,430	258	ENE	8.6
2,610	255	ENE	9.5
2,790	254	ENE	11.7
2,970	251	ENE	12.3
3,150	246	ENE	11.7
3,330	242	ENE	12.5
3,510	242	ENE	12.6

Disappearance: Entered Ast. 3,510 m.			
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No. 694. Sept. 1, 1934; 18h 35m. Clouds: 0. Vis.: 7			
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Surface	317	SE	4.0
216	354	S	9.1
414	357	S	12.9
612	347	SSE	15.3
801	342	SSE	13.2
990	340	SSE	11.1
1,170	338	SSE	9.6
1,350	331	SSE	7.2
1,530	313	SE	5.0
1,710	292	ESE	6.0
1,890	285	ESE	7.2
2,070	280	E	7.8
2,250	277	E	8.2
2,430	271	E	8.9
2,610	271	E	9.6
2,790	274	E	9.5
2,970	278	E	7.9
3,150	285	ESE	8.8
3,330	281	E	10.5
3,510	274	E	11.6
3,690	264	E	11.8
3,870	261	E	11.9
4,050	263	E	11.3
4,230	269	E	11.0
4,410	269	E	11.4
4,590	268	E	11.2
4,770	268	E	10.5
4,950	261	E	9.5
5,130	266	E	9.0
5,310	275	E	9.6

Disappearance: Distance.			
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No. 695. Sept. 2, 1934; 9h 58m. Clouds: 10 St. NNE. Vis.: 8. Light drift.			
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Surface	216	NE	7.6
216	204	NNE	10.7
414	195	NNE	9.4
612	193	NNE	8.9

Disappearance: Entered St. 612 m.			
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TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 696. Sept. 2, 1934; 20h. Clouds: 0. Vis.: 7. Lt. drift.			
Surface	352	S	8.0
216	336	SSE	10.6
414	319	SE	14.9
612	309	SE	14.1
801	303	ESE	12.1
990	306	SE	12.5
1,170	308	SE	11.3
1,350	305	SE	10.1
1,530	297	ESE	11.7
1,710	296	ESE	14.9
1,890	295	ESE	15.9
2,070	294	ESE	15.7
2,250	290	ESE	14.2
2,430	285	ESE	13.2
2,610	282	ESE	13.7
2,790	280	E	13.2
2,970	279	E	11.9
3,150	272	E	10.5
3,330	271	E	10.5
3,510	274	E	11.2
3,690	275	E	11.8
3,870	278	E	12.0
4,050	278	E	12.0
Disappearance: Distance and drifting snow.			
No. 697. Sept. 3, 1934; 9h 48m. Clouds: 4 Ci NE, Few StCu NE. Lt. shower of ice crystals falling.			
Surface	349	S	3.6
216	309	SE	8.0
414	276	E	9.2
612	278	E	9.5
801	255	ENE	14.6
990	243	ENE	20.5
1,170	250	ENE	20.7
1,350	251	ENE	20.0
Disappearance: (?).			
No. 698. Sept. 3, 1934; 10h 03m. Clouds: 4 Ci NE, few StCu NE. Lt. shower of ice crystals			
Surface	2	S	2.2
216	300	ESE	9.1
414	273	E	15.9
612	255	ENE	14.9
801	232	NE	12.0
990	249	ENE	17.8
1,170	255	ENE	19.0
1,350	260	E	17.0
1,530	264	E	16.4
1,710	268	E	16.5
1,890	271	E	16.6
Disappearance: (?).			
Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 699. Sept. 3, 1934; 10h 22m. Clouds: 4 Ci NE, Few StCu NE. Vis.: 7. Haze around horizon			
Surface	351	S	2.2
216	290	ESE	8.4
414	263	E	14.5
612	256	ENE	17.7
801	257	ENE	18.6
990	257	ENE	19.6
1,170	255	ENE	20.3
1,350	252	ENE	18.2
1,530	252	ENE	14.2
1,710	255	ENE	12.5
Disappearance: (?).			
No. 700. Sept. 3, 1934; 20h 35m. Clouds: 0. Vis.: 7			
Surface	52	SW	7.2
216	35	SW	17.9
414	42	SW	20.0
612	38	SW	15.5
801	18	SSW	11.0
990	5	S	9.4
1,170	356	S	7.2
1,350	349	S	8.2
1,530	359	S	9.6
1,710	346	SSE	10.0
1,890	346	SSE	9.5
2,070	350	S	8.9
2,250	356	S	8.0
2,430	5	S	7.4
2,610	17	SSW	8.7
2,790	23	SSW	8.9
2,970	35	SW	7.7
3,150	43	SW	9.4
3,330	46	SW	10.5
3,510	38	SW	9.0
3,690	12	SSW	7.6
3,870	3	S	8.5
4,050	8	S	8.5
4,230	17	SSW	8.8
4,410	25	SSW	8.3
4,590	50	SW	5.3
4,770	76	WSW	5.0
4,950	59	WSW	6.2
5,130	59	WSW	6.7
5,310	61	WSW	6.6
5,490	56	SW	7.5
5,670	56	SW	6.5
5,850	60	WSW	3.0
6,030	73	WSW	1.0
Disappearance: Distance.			
No. 701. Sept. 5, 1934; 18h 20m. Clouds: 10 St. Vis.: 6. ASt very thin			
Surface	13	SSW	3.1
216	350	S	6.4
414	346	SSE	8.5
612	349	S	9.5
801	0	S	7.3
Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 701—Continued			
990	10	S	7.5
1,170	6	S	9.0
1,350	359	S	9.5
1,530	358	S	8.5
1,710	352	S	7.5
1,890	342	SSE	5.7
2,070	336	SSE	5.5
2,250	343	SSE	7.6
2,430	342	SSE	8.8
2,610	336	SSE	8.6
2,790	338	SSE	7.6
2,970	332	SSE	8.0
3,150	325	SE	6.2
3,330	335	SSE	4.4
3,510	345	SSE	5.5
3,690	338	SSE	6.9
3,870	328	SSE	6.4
4,050	302	ESE	6.3
4,230	283	ESE	8.5
4,410	271	E	10.4
4,590	270	E	11.4
4,770	266	E	11.7
Disappearance: Cut off by thin ASt.			
No. 702. Sept. 6, 1934; 13h 02m. Clouds: Few ASt, 2 St SW. Vis.: 8. St very thin.			
Surface	104	WNW	2.2
216	50	SW	5.7
414	52	SW	9.2
612	49	SW	13.1
801	46	SW	15.3
990	44	SW	15.9
1,170	50	SW	14.7
1,350	57	WSW	13.0
1,530	64	WSW	10.8
1,710	74	WSW	8.9
1,890	80	W	8.7
2,070	88	W	9.0
2,250	104	WNW	8.9
2,430	117	WNW	8.2
2,610	122	WNW	7.5
Disappearance: Cut off by very thin St.			
No. 703. Sept. 6, 1934; 21h 19m. Clouds: 10 St WNW			
Surface	114	WNW	0.9
216	92	W	10.5
414	99	W	15.3
612	101	W	18.9
801	101	W	20.0
990	101	W	20.2
1,170	102	WNW	18.3
1,350	103	WNW	16.6
1,530	104	WNW	17.0
Disappearance: Cut off by St (?).			
Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 704. Sept. 7, 1934; 10h 06m. Clouds: 0. Vis.: 8			
Surface	90	W	2.7
216	43	SW	2.7
414	30	SSW	11.9
612	20	SSW	18.6
801	23	SSW	22.4
990	27	SSW	20.0
1,170	31	SSW	18.4
1,350	36	SW	18.7
1,530	38	SW	17.2
1,710	37	SW	12.9
1,890	35	SW	10.8
Disappearance: Local smoke and local condensing vapor.			
No. 705. Sept. 7, 1934; 10h 40m. Clouds: 0. Vis.: 8. Lt. shower of ice crystals			
Surface	51	SW	4.5
216	38	SW	8.4
414	28	SSW	13.0
612	22	SSW	19.5
801	25	SSW	21.3
990	30	SSW	18.5
1,170	33	SSW	16.9
1,350	35	SW	16.4
1,530	40	SW	15.4
1,710	41	SW	13.7
1,890	39	SW	12.3
Disappearance: Local smoke and local condensing vapor.			
No. 706. Sept. 7, 1934; 20h 45m. Clouds: 0. Vis.: 8. Lt. shower of ice crystals			
Surface	32	SSW	0.9
216	45	SW	8.0
414	44	SW	10.4
612	52	SW	11.2
801	60	WSW	12.4
990	65	WSW	13.1
1,170	68	WSW	11.8
1,350	71	WSW	10.8
1,530	75	WSW	11.0
1,710	81	W	10.3
1,890	93	W	10.7
2,070	95	W	11.1
2,250	92	W	10.4
2,430	88	W	10.7
2,610	78	WSW	10.4
2,790	74	WSW	11.2
2,970	79	W	11.9
3,150	76	WSW	12.5
3,330	70	WSW	12.3
3,510	68	WSW	10.8
3,690	66	WSW	10.5
3,870	65	WSW	10.2
4,050	68	WSW	10.5
4,230	72	WSW	9.5
4,410	73	WSW	9.7
4,590	70	WSW	11.2
4,770	69	WSW	10.2

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 706—Continued				No. 709—Continued				No. 711. Sept. 11, 1934; 13h 02m. Clouds: 1 CiSt. Vis.: 8. Ice crystals falling.				No. 713—Continued			
4,950	72	WSW	9.5	990	90	W	6.3	Surface	324	SE	1.3	2,970	124	NW	.3
5,130	78	WSW	9.5	1,170	92	W	6.0	216	300	ESE	10.2	3,150	102	WNW	1.0
5,310	80	W	10.3	1,350	102	WNW	5.8	414	298	ESE	9.8	3,330	144	NW	3.0
5,490	79	W	12.0	1,530	112	WNW	5.5	612	295	ESE	6.3	3,510	147	NNW	4.6
Disappearance: Distance.				1,710	118	WNW	6.5	801	279	E	5.2	3,690	130	NW	6.2
No. 707. Sept. 8, 1934; 10h 40m. Clouds: 7 ASt SW. Vis.: 8				1,890	122	WNW	7.3	990	281	E	4.1	3,870	131	NW	8.0
Surface	106	WNW	0.9	2,070	118	WNW	6.7	1,170	273	E	2.2	4,050	135	NW	8.3
216	63	WSW	8.2	2,250	122	WNW	5.6	1,350	195	NNE	0.2	4,230	123	WNW	8.6
414	64	WSW	12.2	2,430	130	NW	5.3	1,530	68	WSW	1.6	4,410	129	NW	8.5
612	53	SW	12.5	2,610	130	NW	5.0	1,710	77	WSW	1.7	4,590	125	NW	8.5
801	39	SW	12.3	2,790	129	NW	5.2	1,890	76	WSW	1.3	4,770	120	WNW	8.3
990	30	SSW	12.5	2,970	118	WNW	5.6	2,070	85	W	1.5	4,950	121	WNW	9.1
1,179	30	SSW	11.7	3,150	109	WNW	5.3	2,250	125	NW	2.1	5,130	120	WNW	9.3
1,350	41	SW	10.5	3,330	106	WNW	5.0	2,430	133	NW	2.4	5,310	125	NW	8.7
1,530	52	SW	10.1	3,510	108	WNW	4.6	2,610	122	WNW	1.5	5,490	129	NW	9.0
1,710	50	SW	9.7	3,690	102	WNW	4.5	2,790	97	W	1.8	5,670	130	NW	9.6
1,890	46	SW	10.1	3,870	102	WNW	4.3	2,970	73	WSW	2.8	5,850	130	NW	9.5
2,070	46	SW	11.4	4,050	94	W	4.2	3,150	75	WSW	4.0	6,030	133	NW	10.2
2,250	46	SW	12.0	Disappearance: Background.				3,330	78	WSW	5.7	6,210	133	NW	10.9
Disappearance: Entered ASt, 2,250 m. Clouds formed rapidly during observation. Horizon hazy.				No. 710. Sept. 10, 1934; 21h 12m. Clouds: 0. Vis.: 8				3,510	83	W	7.0	6,390	134	NW	10.8
No. 708. Sept. 8, 1934; 19h 05m. Clouds: Few ASt W. Vis.: 7				Surface	14	SSW	0.9	3,690	99	W	7.0	6,570	133	NW	10.4
Surface	357	S	0.9	216	81	W	2.5	3,870	100	W	7.5	6,750	134	NW	10.6
216	117	WNW	8.5	414	122	WNW	4.1	4,050	96	W	7.8	6,930	137	NW	10.5
414	115	WNW	11.2	612	138	NW	4.5	4,230	97	W	7.7	7,110	132	NW	10.4
612	97	W	12.0	801	150	NNW	4.9	4,410	100	W	7.7	7,230	128	NW	10.8
801	87	W	10.4	990	150	NNW	5.5	4,590	104	WNW	8.2	7,470	126	NW	10.3
990	81	W	8.1	1,170	147	NNW	6.3	4,770	110	WNW	8.8	7,650	126	NW	9.1
1,170	77	WSW	9.6	1,350	146	NW	7.0	4,950	109	WNW	8.8	7,830	128	NW	10.0
1,350	77	WSW	12.2	1,530	143	NW	6.7	5,130	109	WNW	8.8	8,010	131	NW	10.9
1,530	78	WSW	12.6	1,710	147	NNW	6.9	5,310	107	WNW	9.2	8,190	128	NW	11.0
1,710	73	WSW	11.6	1,890	157	NNW	6.5	5,490	100	W	10.1	8,370	129	NW	11.0
1,890	69	WSW	11.2	2,070	174	N	5.2	5,670	97	W	10.7	Disappearance: Entered Ci or cut off by local smoke, 8,370 m.			
2,070	76	WSW	14.2	2,250	185	N	4.6	Disappearance: Background.				No. 714. Sept. 12, 1934; 19h 05m. Clouds: Few Ci NW. Vis.: 8			
2,250	85	W	13.9	2,430	180	N	4.7	No. 712. Sept. 11, 1934; 22h 40m. Clouds: —				Surface	10	S	0.9
2,430	85	W	11.2	2,610	178	N	5.5	Surface	17	SSW	2.2	216	359	S	1.7
2,610	84	W	12.5	2,790	195	NNE	5.9	216	325	SE	6.3	414	356	S	4.7
2,790	85	W	13.3	2,970	195	NNE	5.5	414	313	SE	9.1	612	346	SSE	4.7
2,970	83	W	15.0	3,150	195	NNE	5.5	612	308	SE	11.0	801	330	SSE	3.1
3,150	80	W	13.0	3,330	192	NNE	5.3	Disappearance: Bursting.				990	343	SSE	4.5
3,330	85	W	10.2	3,510	192	NNE	5.4	No. 713. Sept. 12, 1934; 10h 15m. Clouds: 5 Ci NW. Vis.: 8. Lt. shower ice crystals.				1,170	10	S	3.6
3,510	82	W	10.5	3,690	195	NNE	5.9	Surface	40	SW	3.1	1,350	0	S	4.4
3,690	81	W	10.4	3,870	190	N	5.5	216	320	SE	4.5	1,530	346	SSE	4.8
3,870	78	WSW	9.3	4,050	194	NNE	5.3	414	310	SE	6.5	1,710	333	SSE	4.6
4,050	80	W	9.0	4,230	191	N	5.5	612	319	SE	5.0	1,890	327	SSE	4.6
Disappearance: Distance and local smoke.				4,410	184	N	5.1	801	342	SSE	4.8	2,070	321	SE	4.0
No. 709. Sept. 10, 1934; 12h 58m. Clouds: 4 ASt WNW. Vis.: 8				4,590	171	N	5.5	990	341	SSE	5.4	2,250	315	SE	3.3
Surface	47	SW	4.5	4,770	163	NNW	5.5	1,170	333	SSE	5.3	2,430	312	SE	3.3
216	39	SW	7.7	4,950	152	NNW	5.0	1,350	326	SE	4.2	2,610	310	SE	2.7
414	43	SW	6.0	5,130	142	NW	5.1	1,530	320	SE	3.5	2,790	324	SE	1.8
612	52	SW	7.9	5,310	143	NW	5.4	1,710	316	SE	3.4	2,970	337	SSE	1.5
801	74	WSW	7.0	5,490	137	NW	6.0	1,890	314	SE	2.9	3,150	141	NW	0.2
Disappearance: Distance. Very shallow southerly surface layer; northerly aloft.				5,670	132	NW	6.9	2,070	304	SE	2.7	3,330	141	NW	1.8
				5,850	125	NW	7.6	2,250	307	SE	3.2	3,510	151	NNW	2.8
				6,030	113	WNW	9.0	2,430	311	SE	3.8	3,690	135	NW	4.2
				6,210	113	WNW	10.5	2,610	303	ESE	3.0	3,870	121	WNW	5.5
				6,390	113	WNW	12.5	2,790	283	ESE	1.0	4,050	122	WNW	6.1
				6,570	110	WNW	13.3					4,230	128	NW	4.9
				6,750	109	WNW	14.1					4,410	138	NW	4.7
				6,930	106	WNW	14.8					4,590	135	NW	5.2
				7,110	104	WNW	14.0					4,770	132	NW	6.3
				7,290	105	WNW	14.4					4,950	132	NW	7.0
				7,470	105	WNW	14.3					5,130	128	NW	6.8
				7,650	103	WNW	14.0					5,310	131	NW	6.5
												5,490	132	NW	6.7

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 714—Continued				No. 715—Continued				No. 717—Continued				No. 718—Continued			
5,670	131	NW	7.0	9,810	124	NW	14.4	1,530	150	NNW	1.9	8,010	231	NE	5.6
5,850	136	NW	7.0	9,990	124	NW	14.5	1,710	149	NNW	1.9	8,190	240	ENE	6.4
6,030	138	NW	7.1	10,170	128	NW	15.6	1,890	154	NNW	2.0	8,370	241	ENE	6.8
6,210	139	NW	7.7	10,350	130	NW	16.5	2,070	159	NNW	2.0	Disappearance: Distance.			
6,390	139	NW	8.2	10,530	130	NW	16.5	2,250	173	N	2.5	No. 719. Sept. 14, 1934; 20h			
6,570	140	NW	8.8	10,710	131	NW	17.5	2,430	190	N	3.0	22m. Clouds: 0. Vis.: 8			
6,750	141	NW	9.0	10,890	134	NW	19.0	2,610	199	NNE	3.3	Surface	248	ENE	4.9
6,930	142	NW	8.2	11,070	134	NW	20.5	2,790	194	NNE	3.3	216	239	ENE	6.6
7,110	145	NW	6.9	11,250	132	NW	25.0	2,970	188	N	4.0	414	207	NNE	7.2
7,290	144	NW	6.0	11,430	131	NW	29.2	3,150	193	NNE	4.9	612	210	NNE	7.8
Disappearance: (?).				Disappearance: Distance.				Disappearance: Local smoke.				No. 719. Sept. 14, 1934; 20h			
No. 715. Sept. 13, 1934; 10h				No. 716. Sept. 13, 1934; 22h				No. 718. Sept. 14, 1934; 14h				No. 720. Sept. 16, 1934; 10h			
31m. Clouds: 0. Vis.: 9				28m. Clouds: 0. Vis.: 8				03m. Clouds: 2 ASt. Vis.: 8				05m. Clouds: 4 Ci NNE, 2 CiSt NNE. Vis.: 8. 22° halo, parhelia			
Surface	31	SSW	2.2	Surface	37	SW	2.2	Surface	286	ESE	3.6	Surface	274	E	6.7
216	25	SSW	2.5	216	90	W	1.1	216	127	NW	2.2	216	277	E	8.9
414	348	SSE	3.0	414	45	SW	0.6	414	162	NNW	4.1	414	273	E	5.7
612	350	S	4.8	612	8	S	1.7	612	157	NNW	4.8	612	266	E	4.1
801	345	SSE	5.4	801	1	S	1.8	801	164	NNW	4.8	801	249	ENE	3.7
990	344	SSE	4.8	990	353	S	1.6	990	167	NNW	4.1	990	245	ENE	2.6
1,170	340	SSE	3.6	1,170	357	S	1.4	1,170	174	N	3.0	1,170	262	E	2.2
1,350	251	ENE	2.8	1,350	6	S	1.4	1,350	191	N	2.5	1,350	257	ENE	2.0
1,530	6	S	3.0	1,530	22	SSW	1.6	1,530	190	N	2.4	1,530	202	NNE	2.7
1,710	25	SSW	3.2	1,710	25	SSW	1.3	1,710	187	N	2.6	1,710	171	N	3.1
1,890	40	SW	3.4	1,890	32	SSW	1.0	1,890	188	N	2.9	1,890	142	NW	2.0
2,070	41	SW	3.5	2,070	79	W	0.5	2,070	181	N	2.9	2,070	127	NW	2.0
2,250	39	SW	3.8	2,250	134	NW	1.0	2,250	176	N	2.5	2,250	116	WNW	2.9
2,430	45	SW	3.6	2,430	146	NW	2.0	2,430	180	N	2.3	2,430	104	WNW	3.2
2,610	50	SW	3.3	2,610	139	NW	2.3	2,610	189	N	2.9	2,610	94	W	1.6
2,790	52	SW	3.5	2,790	147	NNW	2.3	2,790	194	NNE	3.6	2,790	83	W	0.8
2,970	49	SW	3.7	2,970	161	NNW	2.0	2,970	193	NNE	4.0	2,970	148	NNW	1.9
3,150	37	SW	3.8	3,150	166	NNW	1.9	3,150	195	NNE	4.6	3,150	138	NW	3.3
3,330	27	SSW	4.0	3,330	155	NNW	3.0	3,330	200	NNE	5.7	3,330	133	NW	2.8
3,510	39	SW	3.1	3,510	155	NNW	4.0	3,510	201	NNE	6.6	3,510	139	NW	3.1
3,690	65	WSW	2.9	3,690	161	NNW	5.6	3,690	205	NNE	7.1				
3,870	69	WSW	3.8	3,870	166	NNW	5.9	3,870	213	NNE	6.6				
4,050	80	W	4.2	4,050	167	NNW	6.2	4,050	220	NE	6.5				
4,230	111	WNW	4.5	4,230	172	N	7.7	4,230	220	NE	6.5				
4,410	140	NW	5.1	4,410	178	N	8.2	4,230	219	NE	7.8				
4,590	144	NW	5.7	4,590	178	N	8.7	4,410	215	NE	9.0				
4,770	133	NW	6.2	4,770	176	N	8.8	4,590	213	NNE	9.5				
4,950	135	NW	6.9	4,950	180	N	8.7	4,770	213	NNE	9.6				
5,130	139	NW	7.2	5,130	188	N	8.6	4,950	216	NE	9.1				
5,310	141	NW	6.8	5,310	190	N	8.0	5,130	218	NE	8.5				
5,490	141	NW	6.6	5,490	190	N	8.0	5,310	219	NE	8.7				
5,670	140	NW	7.2	5,670	189	N	7.9	5,490	215	NE	8.6				
5,850	137	NW	7.5	5,850	187	N	7.5	5,670	219	NE	8.4				
6,030	143	NW	8.0	6,030	193	NNE	7.0	5,850	231	NE	8.9				
6,210	136	NW	7.5	6,030	204	NNE	6.3	6,030	226	NE	7.8				
6,390	132	NW	6.6	6,210	204	NNE	7.0	6,210	227	NE	7.8				
6,570	138	NW	6.8	6,390	204	NNE	7.0	6,390	227	NE	7.4				
6,750	147	NNW	6.4	6,570	201	NNE	8.0	6,570	228	NE	6.4				
6,930	148	NNW	6.5	Disappearance: Lost among stars.				6,750	226	NE	5.9				
7,110	148	NNW	6.2	No. 717. Sept. 14, 1934; 9h				6,930	225	NE	5.7				
7,290	144	NW	6.1	20m. Clouds: 0. Vis.: 8				7,110	231	NE	5.7				
7,470	148	NNW	5.6	Surface	54	SW	0.9	7,290	243	ENE	5.9				
7,650	152	NNW	5.0	216	70	WSW	3.8	7,470	242	ENE	5.5				
7,830	149	NNW	4.7	414	98	W	4.0	7,650	246	ENE	5.4				
8,010	151	NNW	5.1	612	118	WNW	3.5	7,830	241	ENE	5.4				
8,190	151	NNW	5.3	801	128	NW	3.0								
8,370	143	NW	4.7	990	133	NW	2.5								
8,550	138	NW	4.5	1,170	154	NNW	1.7								
8,730	139	NW	4.6	1,350	167	NNW	1.1								
8,910	134	NW	5.2												
9,090	131	NW	5.9												
9,270	135	NW	6.9												
9,450	130	NW	10.7												
9,630	125	NW	14.4												

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 720—Continued				No. 721—Continued				No. 722—Continued				No. 725. Sept. 22, 1934; 8h 25m. Clouds: Few CiSt (SE7). Vis.: 8			
3,690	136	NW	4.0	3,690	328	SSE	2.0	990	120	WNW	6.6	Surface	Calm	S	Calm
3,870	138	NW	4.2	3,870	305	SE	1.7	1,170	122	WNW	6.3	216	4	S	7.0
4,050	137	NW	4.1	4,050	289	ESE	2.3	1,350	126	NW	4.7	414	359	S	11.3
4,230	128	NW	3.9	4,230	293	ESE	3.7	1,530	114	WNW	3.3	612	355	S	10.3
4,410	112	WNW	3.7	4,410	304	SE	4.2	1,710	83	W	2.5	801	346	SSE	8.5
4,590	111	WNW	2.8	4,590	305	SE	4.5	1,890	75	WSW	3.0	990	343	SSE	7.4
4,770	129	NW	1.8	4,770	294	ESE	4.6	2,070	70	WSW	2.7	1,170	335	SSE	7.1
4,950	139	NW	1.7	4,950	278	E	3.9	2,250	78	WSW	2.3	1,350	327	SSE	7.2
5,130	241	ENE	1.8	5,130	263	E	3.5	2,430	75	WSW	2.3	1,530	331	SSE	6.7
5,310	236	NE	3.8	5,310	274	E	4.2	2,610	74	WSW	1.8	1,710	337	SSE	6.5
5,490	215	NE	4.3	5,490	266	E	4.2	2,790	104	WNW	2.1	1,890	339	SSE	6.4
5,670	196	NNE	3.7	5,670	240	ENE	3.5	2,970	120	WNW	2.6	2,070	341	SSE	5.3
5,850	171	N	3.5	5,850	223	NE	2.6	Disappearance: Lost.				2,250	343	SSE	4.5
6,030	172	N	4.0	6,030	217	NE	2.1	No. 723. Sept. 18, 1934; 8h 27m. Clouds: 0				2,430	340	SSE	4.3
6,210	177	N	4.3	6,210	209	NNE	2.3	Surface	277	E	3.1	2,610	343	SSE	4.8
6,390	178	N	4.6	6,390	198	NNE	3.0	216	133	NW	2.3	2,790	347	SSE	5.0
6,570	176	N	3.8	6,570	187	N	3.4	414	132	NW	3.5	2,970	344	SSE	4.8
6,750	136	NW	1.9	6,750	186	N	3.5	612	86	W	3.8	3,150	329	SSE	5.4
6,930	231	NE	3.5	6,930	190	N	4.0	801	33	SSW	4.1	3,330	324	SE	6.5
7,110	223	NE	4.8	7,110	178	N	4.3	990	25	SSW	3.9	3,510	327	SSE	5.8
7,290	205	NNE	4.4	7,290	162	NNW	4.4	1,170	45	SW	2.3	3,690	327	SSE	4.1
7,470	184	N	3.9	7,470	161	NNW	3.7	1,350	106	WNW	0.8	3,870	325	SE	2.9
7,650	183	N	3.7	7,650	160	NNW	4.2	1,530	73	WSW	0.7	4,050	318	SE	2.7
7,830	201	NNE	2.6	7,830	163	NNW	4.9	1,710	72	WSW	2.1	4,230	325	SE	3.0
8,010	279	E	1.5	8,010	171	N	4.7	1,890	83	W	2.6	4,410	326	SE	3.8
8,190	276	E	2.2	8,190	175	N	5.3	2,070	108	WNW	1.9	4,590	324	SE	3.6
8,370	252	ENE	2.7	8,370	174	N	5.9	2,250	133	NW	1.6	4,770	326	SE	3.5
8,550	235	NE	3.4	8,550	172	N	6.5	2,430	141	NW	1.2	4,950	324	SE	4.4
8,730	225	NE	3.8	8,730	174	N	6.8	2,610	145	NW	0.9	5,130	322	SE	5.0
8,910	213	NNE	3.4	8,910	173	N	7.4	2,790	156	NNW	0.9	5,310	325	SE	4.7
9,090	199	NNE	3.3	9,090	169	N	8.0	2,970	145	NW	2.1	5,490	326	SE	5.2
9,270	177	N	4.7	9,270	169	N	7.8	3,150	130	NW	3.8	5,670	327	SSE	5.2
9,450	163	NNW	6.0	9,450	165	NNW	7.6	3,330	134	NW	4.2	5,850	329	SSE	5.7
9,630	160	NNW	5.0	9,630	158	NNW	7.9	3,510	155	NNW	4.6	6,030	327	SSE	6.6
9,810	162	NNW	4.0	9,810	171	N	7.7	3,690	160	NNW	5.9	6,210	324	SE	6.9
9,990	181	N	3.8	9,990	180	N	7.7	3,870	158	NNW	7.0	6,390	314	SE	7.5
10,170	203	NNE	4.7	10,170	171	N	8.4	4,050	163	NNW	7.4	6,570	309	SE	8.0
10,350	208	NNE	6.4	10,350	169	N	9.4	4,230	168	NNW	8.6	6,750	307	SE	8.2
10,530	210	NNE	7.5	10,530	175	N	11.5	4,410	168	NNW	9.6	6,930	305	SE	8.2
10,710	211	NNE	7.9	10,710	185	N	12.4	4,590	169	N	9.4	7,110	304	SE	8.5
10,890	205	NNE	8.6	10,890	192	NNE	11.6	4,770	170	N	10.0	7,290	304	SE	8.2
11,070	200	NNE	9.3	11,070	193	NNE	11.4	4,950	172	N	10.4	7,470	306	SE	7.4
11,250	199	NNE	9.5	11,250	190	N	10.7	5,130	176	N	10.8	7,650	306	SE	7.4
11,430	205	NNE	9.7	11,430	188	N	11.6	5,310	176	N	11.7	7,830	303	ESE	6.9
11,610	212	NNE	9.6	11,610	194	NNE	12.0	5,490	178	N	11.8	8,010	308	SE	6.4
Disappearance: (?)				11,790	202	NNE	11.4	5,670	179	N	11.7	8,190	311	SE	6.7
No. 721. Sept. 17, 1934; 12h 53m. Clouds: 0. Vis.: 9				11,970	201	NNE	13.8	5,850	179	N	11.7	8,370	311	SE	6.2
Surface	45	SW	4.0	12,150	201	NNE	15.4	6,030	187	N	10.2	8,550	313	SE	6.4
216	50	SW	5.4	12,330	206	NNE	14.3	6,210	195	NNE	9.1	8,730	315	SE	6.4
414	42	SW	6.6	12,510	208	NNE	14.7	Disappearance: Abandoned on account of work schedule.				8,910	314	SE	6.4
612	54	SW	7.0	12,690	217	NE	16.1	No. 724. Sept. 18, 1934; 20h 32m. Clouds: 10 StCu NW. Vis.: 7				9,090	312	SE	6.6
801	61	WSW	5.7	12,870	237	ENE	17.2	Surface	262	E	5.4	9,270	315	SE	6.8
990	56	SW	4.5	13,050	241	ENE	18.3	216	196	NNE	5.2	9,450	311	SE	6.0
1,170	48	SW	3.9	13,230	233	NE	17.4	414	162	NNW	4.5	9,630	306	SE	4.8
1,350	61	WSW	3.1	13,410	228	NE	16.3	612	137	NW	4.7	9,810	321	SE	4.5
1,530	75	WSW	1.9	13,590	233	NE	16.8	801	132	NW	4.1	9,990	325	SE	4.4
1,710	18	SSW	0.9	13,770	249	ENE	17.0	990	133	NW	6.4	Disappearance: Bursting.			
1,890	354	S	1.0	13,950	257	ENE	17.0	No. 726. Sept. 23, 1934; 14h 05m. Clouds: 10 Ast N. Vis.: 5. Lt. snow				Surface	59	WSW	5.4
2,070	18	SSW	1.0	Disappearance: Bursting (?) This is the highest altitude reached this year.				Disappearance: Entered StCu, 990 m.				216	66	WSW	1.8
2,250	18	SSW	1.0	No. 722. Sept. 17, 1934; 20h 45m. Clouds: Few Ast. Vis.: 9								414	104	NNW	1.3
2,430	256	ENE	1.2	Surface	331	SSE	1.3					612	171	N	2.9
2,610	253	ENE	1.7	216	112	WNW	7.8					801	180	N	5.2
2,790	244	ENE	1.0	414	109	WNW	7.2								
2,970	225	NE	1.1	612	116	WNW	8.9								
3,150	215	NE	0.6	801	120	WNW	10.3								
3,330	319	SE	0.6												
3,510	325	SE	1.8												

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 726—Continued				No. 728—Continued				No. 732. Sept. 27, 1934; 10h 59m. Clouds: Few CiSt, Few St SSW. Vis.: 7. Lt. shower of ice crystals				No. 734—Continued			
990	172	N	5.3	1,350	359	S	4.8	Surface	51	SW	4.5	801	79	W	10.8
1,170	160	NNW	4.1	1,530	347	SSE	5.3	216	6	S	3.0	990	78	WSW	10.8
1,350	166	NNW	2.9	1,710	339	SSE	5.2	414	335	SSE	9.9	1,170	80	W	10.5
1,530	188	N	3.4	Disappearance: Entered St, 1,710 m.				612	321	SE	9.7	Disappearance: Behind smoke stack.			
1,710	197	NNE	3.7	No. 729. Sept. 26, 1934; 11h 30m. Clouds: 8 ACu ESE. Vis.: 6				801	318	SE	9.3	No. 735. Sept. 29, 1934; 15h 30m. Clouds: 6 ASt. Vis.: 7			
1,890	200	NNE	3.5	Surface	32	SSW	5.4	990	329	SSE	7.8	Surface	55	SW	2.2
2,070	205	NNE	2.9	216	18	SSW	10.9	1,170	339	SSE	7.3	216	82	W	2.9
2,250	196	NNE	2.2	414	4	S	11.0	1,350	351	S	7.1	414	91	W	3.9
2,430	172	N	1.9	612	359	S	10.7	1,530	17	SSW	6.7	612	87	W	4.2
Disappearance: Entered ASt, 2,430 m.				801	353	S	8.6	1,710	23	SSW	7.8	801	77	WSW	3.1
No. 727. Sept. 23, 1934; 20h 15m. Clouds: Few CiSt N. Vis.: 7				990	346	SSE	6.4	1,890	29	SSW	8.5	990	63	WSW	7.0
Surface	180	N	3.6	1,170	355	S	6.0	2,070	49	SW	9.1	1,170	53	SW	11.9
216	38	SW	2.6	1,350	349	S	7.7	2,250	38	SW	9.6	1,350	54	SW	16.4
414	21	SSW	2.0	1,530	334	SSE	6.4	2,430	40	SW	10.0	1,530	56	SW	17.2
612	5	S	1.9	1,710	318	SE	8.7	2,610	46	SW	10.1	Disappearance: (?).			
801	0	S	1.3	1,890	311	SE	9.2	2,790	54	SW	9.6	No. 736. Sept. 29, 1934; 19h 35m. Clouds: 2 CiSt. Vis.: 7			
990	249	ENE	1.3	2,070	309	SE	9.4	2,970	64	WSW	10.0	Surface	53	SW	1.3
1,170	229	NE	1.8	2,250	305	SE	10.4	3,150	62	WSW	9.5	216	84	W	3.9
1,350	211	NNE	1.6	2,430	304	SE	11.6	3,330	58	WSW	10.7	414	102	WNW	3.0
1,530	194	NNE	1.0	2,610	303	ESE	11.5	3,510	62	WSW	12.5	612	80	W	5.2
1,710	8	S	1.8	2,790	296	ESE	11.5	3,690	63	WSW	13.2	801	74	WSW	9.0
1,890	13	SSW	1.8	2,970	289	ESE	12.1	3,870	63	WSW	14.9	990	64	WSW	9.1
2,070	36	SW	1.7	Disappearance: Entered ACu, 2,970 m.				4,050	63	WSW	15.4	1,170	57	WSW	10.5
2,250	58	WSW	1.4	No. 730. Sept. 26, 1934; 20h 35m. Clouds: 0. Vis.: 6. Lt. drift				4,230	61	WSW	14.8	1,350	55	SW	12.5
2,430	83	W	0.7	Surface	50	SW	6.7	Disappearance: Bursting. (?)				1,530	53	SW	13.9
2,610	76	WSW	0.7	216	18	SSW	12.2	No. 733. Sept. 27, 1934; 15h 10m. Clouds: 0. Vis.: 8				1,710	52	SW	14.4
2,790	76	WSW	1.0	414	14	SSW	12.3	Surface	57	WSW	2.7	1,890	50	SW	15.3
2,970	109	WNW	0.7	612	18	SSW	10.7	216	25	SSW	16.4	2,070	47	SW	17.0
3,150	189	N	0.9	801	22	SSW	9.5	414	32	SSW	16.1	2,250	43	SW	18.0
3,330	202	NNE	1.3	990	23	SSW	8.7	612	52	SW	11.2	2,430	43	SW	20.0
3,510	219	NE	1.8	1,170	21	SSW	8.0	801	73	WSW	8.3	2,610	45	SW	22.2
3,690	213	NNE	2.5	1,350	13	SSW	7.7	990	93	W	6.3	2,790	46	SW	23.0
3,870	207	NNE	2.8	1,530	14	SSW	8.8	1,170	107	WNW	6.2	Disappearance: Distance and light sky.			
4,050	197	NNE	2.8	1,710	25	SSW	10.9	1,350	101	W	5.6	No. 737. Sept. 30, 1934; 8h 42m. Clouds: 10 ASt WNW. Vis.: 8			
4,230	184	N	3.6	1,890	27	SSW	11.2	1,530	107	WNW	5.1	Surface	190	N	4.5
4,410	191	N	5.1	2,070	22	SSW	9.6	1,710	111	WNW	5.2	216	151	NNW	8.9
4,590	191	N	6.3	2,250	18	SSW	9.0	1,890	105	WNW	5.5	414	128	NW	12.4
4,770	191	N	7.4	Disappearance: Drifting snow.				2,070	81	W	5.5	612	118	WNW	17.6
4,950	194	NNE	8.4	No. 731. Sept. 27, 1934; 8h 23m. Clouds: 10 St SSW. Vis.: 6				2,250	61	WSW	8.1	801	119	WNW	19.0
5,130	191	N	8.3	Surface	69	WSW	6.3	2,430	61	WSW	10.5	990	115	WNW	15.0
5,310	186	N	7.6	216	25	SSW	7.6	2,610	64	WSW	12.0	1,170	132	NW	12.6
5,490	181	N	6.5	Disappearance: Entered St, 216 m. Low thin St clouds formed over entire sky very rapidly just as balloon observa- tion was started.				2,790	64	WSW	12.7	1,350	128	NW	13.0
5,670	179	N	5.5	No. 734. Sept. 28, 1934; 11h 55m. Clouds: 0. Vis.: 9				4,050	58	WSW	13.9	1,530	122	WNW	12.6
5,850	174	N	5.5	Surface	57	WSW	3.1	4,230	57	WSW	15.3	1,710	119	WNW	12.8
6,030	173	N	5.9	216	97	W	8.8	2,970	58	WSW	16.0	1,890	119	WNW	13.9
6,210	182	N	6.0	414	102	WNW	10.0	3,150	57	WSW	15.3	2,070	122	WNW	12.0
6,390	190	N	6.0	612	91	W	9.6	3,330	59	WSW	15.7	2,250	124	NW	11.0
Disappearance: (?).				Disappearance: Distance.				3,510	59	WSW	16.0	2,430	118	WNW	12.5
No. 728. Sept. 24, 1934; 14h 35m. Clouds: 10 St SSE. Vis.: 7. Lt. snow				No. 734. Sept. 28, 1934; 11h 55m. Clouds: 0. Vis.: 9				3,690	61	WSW	17.4	2,610	111	WNW	14.1
Surface	43	SW	3.1	Disappearance: Distance.				3,870	62	WSW	17.6				
216	29	SSW	6.1	No. 734. Sept. 28, 1934; 11h 55m. Clouds: 0. Vis.: 9				4,050	63	WSW	16.5				
414	9	S	4.6	Disappearance: Entered St, 216 m. Low thin St clouds formed over entire sky very rapidly just as balloon observa- tion was started.				4,230	60	WSW	16.0				
612	348	SSE	3.0					4,410	61	WSW	16.7				
801	347	SSE	2.8					4,590	61	WSW	18.0				
990	359	S	3.0												
1,170	3	S	4.0												

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 737—Continued				No. 740—Continued				No. 741—Continued				No. 744—Continued			
2,790	111	WNW	14.7	2,610	41	SW	6.9	7,470	119	WNW	14.0	612	88	W	14.7
2,970	113	WNW	15.5	2,790	54	SW	5.3	7,650	110	WNW	10.4	801	86	W	14.5
3,150	113	WNW	15.6	2,970	58	WSW	6.5	7,830	105	WNW	7.5	990	83	W	14.5
Disappearance: Entered Ast, 3,150 m.				3,150	57	WSW	8.3	Disappearance: Bursting.				1,170	83	W	14.6
No. 738. Sept. 30, 1934; 13h 12m. Clouds: 9 Ast. Vis.: 6. Lt. drift				3,330	54	SW	9.7	No. 742. Oct. 3, 1934; 9h 55m. Clouds: 9 CiSt NW. 22° solar halo				1,350	83	W	15.0
No. 739. Oct. 1, 1934; 8h 37m. Clouds: 0. Vis.: 5				3,510	52	SW	11.3	Surface				Disappearance: Haziness.			
No. 740. Oct. 1, 1934; 20h. Clouds: 2 Ci. Vis.: 9				3,690	53	SW	11.6	216				No. 745. Oct. 11, 1934; 9h 48m. Clouds: 10 Ast E. Vis.: 5. Lt. drift. First observation since Oct. 6, because of drift, poor visibility and low clouds			
No. 741. Oct. 2, 1934; 8h 30m. Clouds: Few Ci NW. Vis.: 8				3,870	50	SW	11.3	414				Surface			
No. 742. Oct. 3, 1934; 9h 55m. Clouds: 9 CiSt NW. 22° solar halo				4,050	49	SW	11.7	612				216			
No. 743. Oct. 5, 1934; 11h 30m. Clouds: 10 St E. Vis.: 7				4,230	46	SW	12.0	801				414			
No. 744. Oct. 6, 1934; 11h 40m. Clouds: 8 CiSt N(?). Vis.: 5				4,410	43	SW	13.0	990				612			
No. 745. Oct. 11, 1934; 9h 48m. Clouds: 10 Ast E. Vis.: 5. Lt. drift. First observation since Oct. 6, because of drift, poor visibility and low clouds				4,590	44	SW	13.2	1,170				801			
No. 746. Oct. 11, 1934; 14h. Clouds: 10 Ast ENE. Vis.: 7				4,770	47	SW	14.1	1,350				990			
No. 747. Oct. 12, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				4,950	47	SW	15.2	1,530				1,170			
No. 748. Oct. 13, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				5,130	47	SW	15.2	1,710				1,350			
No. 749. Oct. 14, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				5,310	48	SW	15.5	1,890				1,530			
No. 750. Oct. 15, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				5,490	49	SW	13.6	2,070				1,710			
No. 751. Oct. 16, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				5,670	46	SW	13.3	2,250				2,070			
No. 752. Oct. 17, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				5,850	44	SW	13.4	2,430				2,250			
No. 753. Oct. 18, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				6,030	42	SW	12.0	2,610				2,430			
No. 754. Oct. 19, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				6,210	42	SW	13.0	2,790				2,610			
No. 755. Oct. 20, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				6,390	42	SW	15.0	2,970				2,790			
No. 756. Oct. 21, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				Disappearance: Distance.				2,070				2,970			
No. 757. Oct. 22, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 741. Oct. 2, 1934; 8h 30m. Clouds: Few Ci NW. Vis.: 8				2,250				2,070			
No. 758. Oct. 23, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 742. Oct. 3, 1934; 9h 55m. Clouds: 9 CiSt NW. 22° solar halo				2,430				2,250			
No. 759. Oct. 24, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 743. Oct. 5, 1934; 11h 30m. Clouds: 10 St E. Vis.: 7				2,610				2,430			
No. 760. Oct. 25, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 744. Oct. 6, 1934; 11h 40m. Clouds: 8 CiSt N(?). Vis.: 5				2,790				2,610			
No. 761. Oct. 26, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 745. Oct. 11, 1934; 9h 48m. Clouds: 10 Ast E. Vis.: 5. Lt. drift. First observation since Oct. 6, because of drift, poor visibility and low clouds				2,970				2,790			
No. 762. Oct. 27, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 746. Oct. 11, 1934; 14h. Clouds: 10 Ast ENE. Vis.: 7				2,070				2,970			
No. 763. Oct. 28, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 747. Oct. 12, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,250				2,070			
No. 764. Oct. 29, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 748. Oct. 13, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,430				2,250			
No. 765. Oct. 30, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 749. Oct. 14, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,610				2,430			
No. 766. Oct. 31, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 750. Oct. 15, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,790				2,610			
No. 767. Nov. 1, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 751. Oct. 16, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,970				2,790			
No. 768. Nov. 2, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 752. Oct. 17, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,070				2,970			
No. 769. Nov. 3, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 753. Oct. 18, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,250				2,070			
No. 770. Nov. 4, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 754. Oct. 19, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,430				2,250			
No. 771. Nov. 5, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 755. Oct. 20, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,610				2,430			
No. 772. Nov. 6, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 756. Oct. 21, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,790				2,610			
No. 773. Nov. 7, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 757. Oct. 22, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,970				2,790			
No. 774. Nov. 8, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 758. Oct. 23, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,070				2,970			
No. 775. Nov. 9, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 759. Oct. 24, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,250				2,070			
No. 776. Nov. 10, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 760. Oct. 25, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,430				2,250			
No. 777. Nov. 11, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 761. Oct. 26, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,610				2,430			
No. 778. Nov. 12, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 762. Oct. 27, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,790				2,610			
No. 779. Nov. 13, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 763. Oct. 28, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,970				2,790			
No. 780. Nov. 14, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 764. Oct. 29, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,070				2,970			
No. 781. Nov. 15, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 765. Oct. 30, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,250				2,070			
No. 782. Nov. 16, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 766. Oct. 31, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,430				2,250			
No. 783. Nov. 17, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 767. Nov. 1, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,610				2,430			
No. 784. Nov. 18, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 768. Nov. 2, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,790				2,610			
No. 785. Nov. 19, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 769. Nov. 3, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,970				2,790			
No. 786. Nov. 20, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 770. Nov. 4, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,070				2,970			
No. 787. Nov. 21, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 771. Nov. 5, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,250				2,070			
No. 788. Nov. 22, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 772. Nov. 6, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,430				2,250			
No. 789. Nov. 23, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 773. Nov. 7, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,610				2,430			
No. 790. Nov. 24, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 774. Nov. 8, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,790				2,610			
No. 791. Nov. 25, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 775. Nov. 9, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,970				2,790			
No. 792. Nov. 26, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 776. Nov. 10, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,070				2,970			
No. 793. Nov. 27, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 777. Nov. 11, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,250				2,070			
No. 794. Nov. 28, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 778. Nov. 12, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,430				2,250			
No. 795. Nov. 29, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 779. Nov. 13, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,610				2,430			
No. 796. Nov. 30, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 780. Nov. 14, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,790				2,610			
No. 797. Dec. 1, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 781. Nov. 15, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,970				2,790			
No. 798. Dec. 2, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 782. Nov. 16, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,070				2,970			
No. 799. Dec. 3, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 783. Nov. 17, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,250				2,070			
No. 800. Dec. 4, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 784. Nov. 18, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,430				2,250			
No. 801. Dec. 5, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 785. Nov. 19, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,610				2,430			
No. 802. Dec. 6, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 786. Nov. 20, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,790				2,610			
No. 803. Dec. 7, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 787. Nov. 21, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,970				2,790			
No. 804. Dec. 8, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 788. Nov. 22, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,070				2,970			
No. 805. Dec. 9, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 789. Nov. 23, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,250				2,070			
No. 806. Dec. 10, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 790. Nov. 24, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,430				2,250			
No. 807. Dec. 11, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 791. Nov. 25, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,610				2,430			
No. 808. Dec. 12, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 792. Nov. 26, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,790				2,610			
No. 809. Dec. 13, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 793. Nov. 27, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,970				2,790			
No. 810. Dec. 14, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 794. Nov. 28, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,070				2,970			
No. 811. Dec. 15, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 795. Nov. 29, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,250				2,070			
No. 812. Dec. 16, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 796. Nov. 30, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,430				2,250			
No. 813. Dec. 17, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 797. Dec. 1, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,610				2,430			
No. 814. Dec. 18, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 798. Dec. 2, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,790				2,610			
No. 815. Dec. 19, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 799. Dec. 3, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,970				2,790			
No. 816. Dec. 20, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 800. Dec. 4, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,070				2,970			
No. 817. Dec. 21, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 801. Dec. 5, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,250				2,070			
No. 818. Dec. 22, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 802. Dec. 6, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,430				2,250			
No. 819. Dec. 23, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 803. Dec. 7, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,610				2,430			
No. 820. Dec. 24, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 804. Dec. 8, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,790				2,610			
No. 821. Dec. 25, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 805. Dec. 9, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,970				2,790			
No. 822. Dec. 26, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 806. Dec. 10, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,070				2,970			
No. 823. Dec. 27, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 807. Dec. 11, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,250				2,070			
No. 824. Dec. 28, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 808. Dec. 12, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,430				2,250			
No. 825. Dec. 29, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 809. Dec. 13, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,610				2,430			
No. 826. Dec. 30, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 810. Dec. 14, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				2,790				2,610			
No. 827. Dec. 31, 1934; 10h 30m. Clouds: 10 St E. Vis.: 7				No. 811. Dec. 15, 1934; 10h 30m. Clouds: 10 St E											

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 746—Continued				No. 749. Oct. 13, 1934; 9h. Clouds: 10 St ENE. Lt. grd. fog. Lt. snow. 22° halo				No. 753. Oct. 15, 1934; 18h 20m. Clouds: 10 St NNW. Vis.: 6				No. 757. Oct. 18, 1934; 13h 30m. Clouds: 9 St NE. Vis.: 5. Lt. snow			
4,770	233	NE	7.5	Surface	314	SE	2.7	Surface	241	ENE	2.2	Surface	246	ENE	4.0
4,950	239	ENE	7.1	216	245	ENE	6.5	216	213	NNE	2.2	216	231	NE	1.3
5,130	246	ENE	7.9	414	211	NNE	8.6	414	170	N	2.4	414	270	E	0.7
5,310	246	ENE	8.0	612	208	NNE	9.4	513	165	NNW	2.0	612	262	E	0.6
Disappearance: Entered ASt, 5,310 m.				801	214	NE	10.0	Disappearance: Entered St, 513 m.				706	234	NE	0.8
No. 747. Oct. 12, 1934; 7h 55m. Clouds: 2 Ci N, 7 CiSt N. Vis.: 8				990	219	NE	9.2	No. 754. Oct. 16, 1934; 9h 23m. Clouds: 10 St NW. Vis.: 5. Snowing				Disappearance: Entered St, 706 m.			
Surface	50	SW	1.8	1,170	223	NE	7.3	Surface	150	NNW	5.4	No. 758. Oct. 18, 1934; 16h 12m. Clouds: 8 St SSW. Vis.: 7			
216	289	ESE	2.1	1,350	226	NE	6.4	216	142	NW	6.7	Surface	62	WSW	1.8
414	296	ESE	3.2	1,530	236	NE	5.7	414	136	NW	7.8	216	30	SSW	5.2
612	307	SE	4.7	1,710	240	ENE	5.7	612	128	NW	8.5	414	30	SSW	5.3
801	312	SE	5.8	Disappearance: Entered St, 1,710 m.				801	124	NW	9.2	612	27	SSW	5.3
990	314	SE	5.6	No. 750. Oct. 13, 1934; 16h 20m. Clouds: 10 St NE. Vis.: 3. Lt. snow, lt. drift				Disappearance: Entered St, 801 m.				801	21	SSW	5.5
1,170	321	SE	4.6	Surface	278	E	7.2	No. 755. Oct. 16, 1934; 14h 25m. Clouds: 2 ASt NW, Few ACu NW. Vis.: 8				990	16	SSW	5.7
1,350	333	SSE	5.9	216	234	NE	8.2	Surface	153	NNW	5.4	1,170	15	SSW	7.0
1,530	342	SSE	6.1	414	208	NNE	8.0	216	143	NW	9.5	1,350	17	SSW	8.2
1,710	351	S	3.6	612	203	NNE	6.8	414	137	NW	11.1	Disappearance: Entered St, 1,350 m. Large rise in pressure; and change of wind from NE to SSW since last observation.			
1,890	30	SSW	2.2	801	207	NNE	6.5	612	132	NW	11.2	No. 759. Oct. 19, 1934; 8h 20m. Clouds: 10 StCu SSE. Vis.: 7			
2,070	56	SW	3.0	990	215	NE	7.5	801	132	NW	11.0	Surface	308	SE	1.3
2,250	58	WSW	4.0	1,170	223	NE	8.9	990	138	NW	11.3	216	264	E	1.7
2,430	69	WSW	4.5	1,350	226	NE	9.4	1,170	140	NW	9.9	414	332	SSE	2.9
2,610	78	WSW	4.9	1,530	222	NE	9.8	1,350	140	NW	8.7	612	335	SSE	5.3
2,790	71	WSW	5.0	1,710	220	NE	10.4	2,070	118	WNW	6.5	801	327	SSE	6.1
2,970	63	WSW	5.4	Disappearance: Entered St, 1,710 m.				2,250	129	NW	6.1	990	328	SSE	5.9
3,150	72	WSW	4.9	No. 751. Oct. 14, 1934; 8h 20m. Clouds: 10 St NNE. Vis.: 5. Lt. snow				2,430	138	NW	8.2	1,080	329	SSE	6.0
3,330	86	W	4.2	Surface	249	ENE	4.0	2,610	133	NW	9.0	Disappearance: Entered StCu, 1,080 m.			
3,510	81	W	3.7	216	224	NE	6.2	2,790	129	NW	7.0	No. 760. Oct. 19, 1934; 14h. Clouds: Few St SF. Vis.: 8			
3,690	75	WSW	3.8	414	204	NNE	7.3	2,970	134	NW	6.5	Surface	318	SE	2.2
3,870	65	WSW	3.4	612	200	NNE	8.5	3,150	134	NW	6.9	216	273	E	2.6
4,050	30	SSW	2.2	Disappearance: Entered St, 1,710 m.				Disappearance: Background.				414	275	E	5.2
4,230	271	E	1.1	No. 752. Oct. 14, 1934; 19h 15m. Clouds: 10 St N. Vis.: 4. Snowing				Surface	260	E	7.2	612	290	ESE	6.4
4,410	172	N	0.5	Surface	235	NE	4.9	216	212	NNE	5.6	801	301	ESE	6.7
4,590	315	SE	0.5	216	217	NE	7.3	414	192	NNE	5.2	990	299	ESE	6.5
4,770	226	NE	0.7	414	210	NNE	7.3	612	172	N	5.4	1,170	293	ESE	5.4
4,950	152	NNW	0.7	612	208	NNE	7.2	801	154	NNW	5.6	1,350	292	ESE	4.7
Disappearance: Bursting (?)				801	204	NNE	7.0	990	162	NNW	4.7	1,530	304	SE	4.2
No. 748. Oct. 12, 1934; 16h 15m. Clouds: Few CiSt N, Few StCu ENE. Vis.: 8				990	197	NNE	6.5	1,170	152	NNW	4.6	1,710	321	SE	3.0
Surface	275	E	1.8	1,170	191	N	6.3	1,350	135	NW	4.3	1,890	353	S	2.2
216	281	E	9.3	1,350	191	N	6.2	2,070	138	NW	3.8	2,070	40	SW	2.2
414	269	E	8.1	Disappearance: Entered St, 1,350 m.				2,250	64	WSW	3.0	2,430	65	WSW	4.4
612	245	ENE	4.0	No. 756. Oct. 17, 1934; 11h 35m. Clouds: 2 ACu NW, 5 StCu NW. Vis.: 6				2,790	76	WSW	5.6	2,610	72	WSW	5.0
801	240	ENE	3.2	Surface	260	E	7.2	2,970	78	WSW	8.0	2,790	76	WSW	5.6
990	248	ENE	4.3	216	212	NNE	5.6	3,150	80	W	11.1	2,970	78	WSW	8.0
1,170	260	E	4.3	414	192	NNE	5.2	Disappearance: Entered StCu 1,890 m.				3,150	80	W	11.1
1,350	265	E	4.3	612	172	N	5.4								
1,530	266	E	4.0	801	154	NNW	5.6								
1,710	261	E	2.1	990	162	NNW	4.7								
1,890	Calm	Calm	0.6	1,170	152	NNW	4.6								
2,070	50	SW	0.6	1,350	135	NW	4.3								
2,250	49	SW	0.6	1,530	134	NW	3.5								
2,430	77	WSW	1.2	1,710	138	NW	3.8								
2,610	79	W	2.0	1,890	137	NW	4.1								
2,790	58	WSW	3.1												
2,970	62	WSW	3.5												
3,150	71	WSW	2.9												
3,330	75	WSW	2.0												
3,510	104	WNW	2.5												
3,690	117	WNW	3.3												
Disappearance: Lost.															

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 760—Continued				No. 763—Continued				No. 766—Continued				No. 769. Oct. 23, 1934; 14h 30m. Clouds: 10 CiSt WNW, Few St W. Vis.: 7. 22° Solar halo			
3,330	80	W	13.4	2,070	18	SSW	9.9	612	67	WSW	16.3	Surface	280	E	2.9
3,510	82	W	15.2	2,250	13	SSW	11.1	801	68	WSW	17.6	216	100	W	2.8
3,690	84	W	16.3	2,430	13	SSW	11.1	990	72	WSW	16.8	414	99	W	8.5
3,870	84	W	17.1	2,610	10	S	10.6	1,170	75	WSW	16.6	612	96	W	10.5
4,050	84	W	19.4	2,790	9	S	10.0	1,350	75	WSW	17.3	801	96	W	8.6
4,230	84	W	21.8	Disappearance: Entered AST, 2,790 m.				1,530	73	WSW	15.2	990	95	W	5.6
4,410	83	W	23.7	No. 764. Oct. 22, 1934; 8h 46m. Clouds: Few Ci SE. Vis.: 7				1,710	72	WSW	12.5	1,170	96	W	4.7
4,590	80	W	25.3	Surface 50 SW 9.4				1,890	78	WSW	12.5	1,350	99	W	5.3
4,770	80	W	27.0	216 40 SW 12.5				2,070	82	W	13.0	1,530	97	W	5.1
4,950	82	W	27.3	414 38 SW 14.5				Disappearance: Poor light (low sun).				1,710	93	W	4.3
5,130	83	W	26.8	612 40 SW 14.0				No. 767. Oct. 23, 1934; 9h 15m. Clouds: 2 Ci. Vis.: 8				1,890	94	W	3.8
Disappearance: Background.				801 33 SSW 12.6				Surface 45 SW 1.3				2,070	94	W	3.4
No. 761. Oct. 20, 1934; 8h 48m. Clouds: 9 StCu NNE. Vis.: 2. Lt. drift				990 33 SSW 11.7				216	90	W	3.5	2,250	98	W	2.8
Surface	300	ESE	10.7	1,170 42 SW 11.0				414	88	W	6.5	2,430	116	WNW	2.5
216	294	ESE	12.2	1,350 44 SW 12.0				612	89	W	9.0	2,610	104	WNW	3.4
414	289	ESE	13.8	1,530 44 SW 12.5				801	90	W	9.7	2,790	92	W	5.3
612	283	ESE	12.3	1,710 49 SW 14.5				990	86	W	9.2	2,970	83	W	6.4
801	282	ESE	8.5	1,890 49 SW 17.0				1,170	71	WSW	6.8	3,150	81	W	5.8
990	290	ESE	6.0	2,070 45 SW 15.7				1,350	61	WSW	5.1	3,330	77	WSW	4.0
1,170	283	ESE	6.1	2,250 45 SW 14.2				1,530	69	WSW	5.2	3,510	79	W	3.3
1,350	259	E	4.5	2,430 46 SW 15.5				1,710	70	WSW	5.8	3,690	84	W	3.9
1,530	231	NE	1.6	2,610 38 SW 14.0				Disappearance: Lost owing to refraction by heat coming out of smokestack.				3,870	82	W	3.8
1,710	198	NNE	0.7	2,790 22 SSW 13.0				No. 768. Oct. 23, 1934; 10h 43m. Clouds: 8 Ci (N?). Vis.: 8. Faint 22° halo.				4,050	84	W	3.8
1,890	197	NNE	0.5	Disappearance: Lost.				Surface 0 S 1.3				4,230	83	W	5.0
Disappearance: Entered St- Cu, 1,890 m.				No. 765. Oct. 22, 1934; 13h 20m. Clouds: 1 Ci (SW?), Few Ast SW. Vis.: 8. Heavy shower ice crystals; 22° halo				216	95	W	2.9	4,410	83	W	8.0
No. 762. Oct. 20, 1934; 18h 30m. Clouds: 5 Ci SE, 2 StCu SE.				Surface 67 WSW 7.2				414	98	W	8.7	4,590	89	W	7.0
Surface	342	SSE	4.9	216 44 SW 12.8				612	102	WNW	7.5	4,770	94	W	7.3
216	310	SE	4.7	414 38 SW 19.0				801	92	W	7.5	4,950	96	W	7.3
414	312	SE	10.7	612 42 SW 18.6				990	79	W	8.0	5,130	104	WNW	7.7
612	322	SE	8.1	801 62 WSW 14.8				1,170	75	WSW	6.0	5,310	113	WNW	8.0
801	314	SE	7.5	990 73 WSW 14.0				1,350	80	W	4.2	Disappearance: Entered CiSt, 5,310 m.			
990	310	SE	7.5	1,170 65 WSW 14.5				1,530	88	W	4.4	No. 770. Oct. 23, 1934; 19h 23m. Clouds: 10 St SW. Vis.: 6			
1,170	309	SE	7.2	1,350 55 SW 19.0				1,710	83	W	5.2	Surface	264	E	6.7
1,350	310	SE	6.4	1,530 48 SW 21.2				1,890	80	W	4.8	216	206	NNE	4.0
1,530	310	SE	5.0	1,710 43 SW 16.5				2,070	78	WSW	5.1	414	149	NNW	4.5
1,710	313	SE	5.0	1,890 39 SW 14.0				2,250	76	WSW	5.6	612	77	WSW	3.5
Disappearance: Entered St- Cu, 1,710 m.				2,070 38 SW 13.1				2,430	76	WSW	6.0	706	35	SW	5.5
No. 763. Oct. 21, 1934; 20h 12m. Clouds: 4 CiSt SE, 4 Ast S. Vis.: 6				2,250 44 SW 11.8				2,610	78	WSW	5.5	Disappearance: Entered St, 706 m.			
Surface	45	SW	7.6	2,790 47 SW 14.8				2,790	62	WSW	5.5	No. 771. Oct. 24, 1934; 10h 10m. Clouds: 10 St NE. Lt. fog. Vis.: 5			
216	37	SW	13.7	2,970 43 SW 15.4				2,970	62	WSW	6.0	Surface	276	E	7.6
414	35	SW	14.9	3,150 42 SW 15.0				3,150	64	WSW	7.8	216	249	ENE	8.1
612	36	SW	16.8	3,330 41 SW 14.8				3,330	68	WSW	9.4	414	242	ENE	6.8
801	36	SW	18.3	Disappearance: Distance and background.				3,510	66	WSW	9.6	612	251	ENE	6.0
990	28	SSW	14.6	No. 766. Oct. 22, 1934; 21h 18m. Clouds: 0. Vis.: 8				3,690	64	WSW	9.3	801	256	ENE	6.4
1,170	18	SSW	10.2	Surface 76 WSW 6.3				3,870	64	WSW	9.1	990	243	ENE	5.8
1,350	15	SSW	8.5	216 60 WSW 11.0				4,050	60	WSW	9.6	1,170	230	NE	5.5
1,530	15	SSW	7.7	414 63 WSW 12.7				4,230	57	WSW	10.0	Disappearance: Entered St, 1,170 m.			
1,710	29	SSW	8.0	Disappearance: Lost owing to refraction by heat coming out of smokestack.											
1,890	20	SSW	9.0												

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 772. Oct. 24, 1934; 18h 22m. Clouds: 3 ASt, 7 St NE. Vis.: 7				No. 774—Continued				No. 776—Continued				No. 778—Continued			
Surface	287	ESE	5.4	4,230	133	NW	6.7	1,710	98	W	5.0	1,350	329	SSE	6.0
216	276	E	9.2	4,410	135	NW	7.1	1,890	94	W	5.5	1,530	333	SSE	5.6
414	261	E	6.9	4,590	134	NW	6.9	2,070	94	W	4.9	1,710	341	SSE	6.5
612	232	NE	4.5	4,770	129	NW	7.0	2,250	94	W	4.7	1,890	352	S	7.2
801	215	NE	3.5	4,950	125	NW	7.0	2,430	86	W	5.5	2,070	4	S	7.1
990	235	NE	3.1	5,130	126	NW	6.6	2,610	82	W	6.4	2,250	10	S	5.0
1,170	259	E	3.7	5,310	128	NW	7.3	2,790	81	W	7.1	2,430	18	SSW	3.3
1,350	275	E	4.5	5,490	127	NW	8.0	2,970	78	WSW	7.4	2,610	28	SSW	4.2
1,530	264	E	5.3	5,670	132	NW	8.5	3,150	81	W	7.3	2,790	30	SSW	4.1
1,710	240	ENE	5.5	5,850	120	WNW	8.5	3,330	84	W	7.7	2,970	35	SW	4.9
1,890	233	NE	5.6	6,030	103	WNW	8.5	3,510	81	W	8.3	3,150	38	SW	5.8
Disappearance: Entered St, 1,890 m.				6,210	96	W	7.5	3,690	84	W	8.5	3,330	46	SW	6.1
No. 773. Oct. 25, 1934; 10h 05m. Clouds: 10 ASt N. Vis.: 7. 22° halo				6,390	78	WSW	8.4	3,870	91	W	8.1	3,510	60	WSW	6.8
Surface	22	SSW	1.8	6,570	77	WSW	9.4	4,050	96	W	8.0	3,690	65	WSW	7.5
216	319	SE	2.6	6,750	82	W	8.6	4,230	98	W	9.2	3,870	68	WSW	7.2
414	323	SE	2.7	6,930	94	W	9.3	4,410	101	W	9.5	4,050	69	WSW	7.1
612	1	S	0.8	7,110	95	W	10.8	4,590	101	W	9.0	4,230	73	WSW	6.8
801	141	NW	1.5	7,290	93	W	10.2	4,770	99	W	8.9	4,410	75	WSW	6.3
990	149	NNW	1.4	Disappearance: Distance.				4,950	101	W	9.5	4,590	64	WSW	6.5
1,170	123	WNW	0.6	No. 775. Oct. 26, 1934; 9h 10m. Clouds: Few ASt W. Vis.: 8. Heavy shower ice crystals				5,130	101	W	9.6	4,770	57	WSW	6.2
1,350	123	WNW	1.0	Surface	35	SW	2.5	5,310	103	WNW	9.0	4,950	68	WSW	6.1
1,530	140	NW	1.8	216	31	SSW	8.2	5,490	103	WNW	9.0	5,130	91	W	6.7
1,710	146	NW	2.4	414	47	SW	9.5	Disappearance: Chimney.				5,310	103	WNW	6.6
1,890	149	NNW	3.5	612	58	WSW	8.2	No. 777. Oct. 27, 1934; 9h 02m. Clouds: 0. Vis.: 8. Slight haze around horizon				5,490	98	W	6.2
2,070	131	NW	3.9	801	59	WSW	5.8	Surface	72	WSW	6.3	5,670	93	W	8.0
2,250	103	WNW	3.2	990	53	SW	4.4	216	51	SW	9.0	5,850	96	W	8.9
2,430	109	WNW	1.3	1,170	31	SSW	3.0	414	53	SW	11.1	6,030	97	W	8.5
2,610	186	N	0.6	1,350	46	SW	1.8	612	60	WSW	8.9	6,210	104	WNW	8.0
Disappearance: Entered ASt, 2,610 m.				1,530	71	WSW	3.8	801	65	WSW	8.2	6,390	109	WNW	7.3
No. 774. Oct. 25, 1934; 14h 45m. Clouds: 1 Ci, Few ASt NW. Vis.: 8				1,710	58	WSW	5.5	990	63	WSW	10.0	6,570	110	WNW	7.5
Surface	4	S	2.9	1,890	56	SW	6.5	1,170	60	WSW	10.9	6,750	108	WNW	7.6
216	315	SE	2.2	2,070	61	WSW	7.1	1,350	57	WSW	10.7	Disappearance: Entered Ci, 6,750 m.			
414	154	NNW	1.0	2,250	67	WSW	6.2	1,530	52	SW	10.8	No. 779. Oct. 30, 1934; 9h 46m. Clouds: 2 ASt W. Vis.: 8			
612	137	NW	1.3	2,430	76	WSW	6.7	1,710	54	SW	10.5	Surface	269	E	3.1
801	137	NW	2.8	2,610	78	WSW	7.1	1,890	50	SW	10.0	216	229	NE	9.5
990	140	NW	3.8	2,790	80	W	7.5	2,070	44	SW	9.8	414	177	N	5.6
1,170	136	NW	3.8	2,970	83	W	9.3	2,250	48	SW	9.4	612	87	W	3.3
1,350	127	NW	4.0	3,150	80	W	10.7	2,430	55	SW	10.6	801	91	W	3.8
1,530	128	NW	3.9	3,330	80	W	11.2	2,610	54	SW	12.6	990	77	WSW	4.8
1,710	128	NW	3.8	3,510	85	W	11.8	2,790	52	SW	12.7	1,170	70	WSW	4.0
1,890	122	WNW	3.5	3,690	89	W	13.5	2,970	52	SW	12.4	1,350	68	WSW	3.3
2,070	124	NW	4.0	3,870	93	W	15.0	3,150	51	SW	13.4	1,530	69	WSW	5.3
2,250	132	NW	5.7	4,050	95	W	15.7	3,330	54	SW	13.5	1,710	69	WSW	6.1
2,430	141	NW	7.0	4,230	96	W	16.3	3,510	54	SW	13.3	1,890	66	WSW	5.1
2,610	138	NW	7.8	4,410	97	W	16.6	3,690	55	SW	13.2	2,070	89	W	4.8
2,790	133	NW	7.5	4,590	98	W	16.9	3,870	57	WSW	14.0	2,250	104	WNW	5.8
2,970	132	NW	6.7	4,770	99	W	16.7	4,050	58	WSW	15.0	2,430	103	WNW	5.8
3,150	130	NW	7.5	Disappearance: Distance.				4,230	60	WSW	15.5	2,610	95	W	5.7
3,330	130	NW	7.9	No. 776. Oct. 26, 1934; 16h 05m. Clouds: Few ASt W. Vis.: 8. Shower ice crystals				4,410	61	WSW	16.8	2,790	94	W	6.5
3,510	134	NW	8.3	Surface	56	SW	3.1	Disappearance: Distance.				2,970	93	W	7.1
3,690	143	NW	8.0	216	48	SW	9.4	No. 778. Oct. 29, 1934; 18h 25m. Clouds: 9 Ci WNW. Vis.: 8. Lt. drift				3,150	84	W	6.0
3,870	146	NW	7.8	414	50	SW	13.0	Surface	43	SW	7.6	3,330	82	W	7.6
4,050	138	NW	7.1	612	46	SW	13.0	216	0	S	13.0	3,510	82	W	6.9
				801	44	SW	10.5	414	342	SSE	10.9	3,690	86	W	7.0
				990	52	SW	8.5	612	329	SSE	7.5	3,870	92	W	7.5
				1,170	69	WSW	7.0	801	331	SSE	7.9	4,050	94	W	7.8
				1,350	81	W	6.1	990	331	SSE	6.7	4,230	96	W	8.0
				1,530	90	W	5.0	1,170	329	SSE	5.8	4,410	99	W	9.0
												4,590	93	W	9.5
												4,770	100	W	9.0
												4,950	105	WNW	9.0
												5,130	105	WNW	8.0
												5,310	103	WNW	8.5
												5,490	100	W	9.5

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 779—Continued				No. 781—Continued				No. 782—Continued				No. 783—Continued			
5,670	101	W	9.7	1,350	274	E	5.5	6,390	113	WNW	3.8	9,090	93	W	10.0
5,850	106	WNW	10.4	1,530	293	ESE	2.7	6,570	116	WNW	5.2	9,270	95	W	10.9
6,030	107	WNW	10.5	1,710	294	ESE	3.3	6,750	110	WNW	5.8	9,450	98	W	11.0
6,210	100	W	11.5	1,890	291	ESE	3.7	6,930	110	WNW	6.2	9,630	96	W	11.8
6,390	87	W	13.0	2,070	310	SE	3.5	7,110	110	WNW	6.8	9,810	100	W	11.5
6,570	69	WSW	15.8	2,250	320	SE	3.1	7,290	108	WNW	8.4	9,990	102	WNW	10.8
6,750	67	WSW	18.3	2,430	319	SE	3.2	7,470	110	WNW	10.7	10,170	95	W	12.7
6,930	69	WSW	19.5	2,610	321	SE	3.0	7,650	111	WNW	10.9	10,350	90	W	14.5
7,110	64	WSW	19.5	2,790	322	SE	2.7	7,830	106	WNW	11.0	10,530	94	W	13.8
7,290	64	WSW	20.0	2,970	317	SE	3.3	8,010	109	WNW	11.1	10,710	87	W	17.7
7,470	64	WSW	20.0	3,150	321	SE	2.8	8,190	87	W	12.8	10,890	83	W	20.4
Disappearance: Distance.				3,330	340	SSE	1.2	8,370	81	W	15.0	11,070	85	W	19.0
No. 780. Oct. 30, 1934; 19h.				3,510	48	SW	1.0	Disappearance: Entered CiSt, 8,370 m.				11,250	85	W	19.3
Clouds: 2 AST W. Vis.: 8				3,690	84	W	1.7	No. 783. Nov. 1, 1934; 8h				11,430	85	W	20.5
Surface	268	E	2.7	3,870	109	WNW	2.2	47m. Clouds: 1 CiSt W. Vis.: 9				11,610	86	W	20.5
216	277	E	4.3	4,050	137	NW	2.4	Surface	21	SSW	5.8	11,790	86	W	19.4
414	298	ESE	1.8	4,230	145	NW	2.2	216	24	SSW	3.7	11,970	84	W	18.9
612	290	ESE	1.5	4,410	135	NW	2.2	414	18	SSW	3.0	12,150	81	W	19.5
801	219	NE	0.8	4,590	137	NW	3.5	612	359	S	3.5	12,330	80	W	17.8
990	107	WNW	1.3	4,770	127	NW	3.5	801	351	S	5.5	12,510	78	WSW	17.0
1,170	84	W	0.9	4,950	113	WNW	3.0	990	338	SSE	6.5	12,690	73	WSW	18.8
1,350	87	W	3.3	5,130	110	WNW	3.5	1,170	328	SSE	5.5	12,870	73	WSW	19.2
1,530	111	WNW	6.0	5,310	103	WNW	3.9	1,350	340	SSE	3.5	Disappearance: Distance.			
1,710	-----	-----	-----	5,490	102	WNW	4.3	1,530	0	S	3.2	No. 784. Nov. 1, 1934; 14h			
1,890	-----	-----	-----	5,670	106	WNW	3.4	1,710	353	S	3.8	08m. Clouds: 5 Ci W. Vis.: 9			
2,070	-----	-----	-----	5,850	118	WNW	3.4	1,890	342	SSE	3.3	Surface	20	SSW	4.1
2,250	-----	-----	-----	6,030	115	WNW	4.4	2,070	341	SSE	2.8	216	349	S	1.8
2,430	183	N	3.6	Disappearance: Lost.				2,250	345	SSE	3.5	414	273	E	1.9
2,610	147	NNW	4.7	No. 782. Oct. 31, 1934; 20h				2,430	332	SSE	3.9	612	326	SE	2.7
2,790	110	WNW	5.9	05m. Clouds: 9 CiSt W. Vis.: 8. 22° halo				2,610	327	SSE	3.6	801	339	SSE	3.8
2,970	101	W	5.7	Surface	313	SE	5.4	2,790	343	SSE	3.3	990	340	SSE	3.7
3,150	105	WNW	6.0	216	305	SE	12.3	2,970	330	SSE	3.2	1,170	350	S	3.5
3,330	100	W	6.0	414	306	SE	13.0	3,150	317	SE	3.9	1,350	357	S	3.5
3,510	106	WNW	5.7	612	311	SE	9.0	3,330	326	SSE	3.5	1,530	339	SSE	3.5
3,690	102	WNW	5.7	801	322	SE	6.0	3,510	330	SSE	2.9	1,710	313	SE	3.3
3,870	96	W	5.7	990	316	SE	5.7	3,690	334	SSE	1.5	1,890	311	SE	2.7
4,050	94	W	6.3	1,170	298	ESE	5.2	3,870	332	SSE	1.3	2,070	336	SSE	1.6
4,230	92	W	6.9	1,350	287	ESE	4.2	4,050	342	SSE	1.8	2,250	18	SSW	1.2
4,410	96	W	7.3	1,530	290	ESE	3.5	4,230	352	S	2.3	2,430	358	S	1.1
4,590	95	W	8.8	1,710	306	SE	3.2	4,410	7	S	2.5	2,610	318	SE	0.9
4,770	92	W	9.9	1,890	317	SE	4.0	4,590	22	SSW	2.2	2,790	325	SE	0.5
4,950	93	W	10.5	2,070	312	SE	4.4	4,770	15	SSW	1.5	2,970	6	S	0.5
5,130	94	W	10.8	2,250	302	ESE	4.0	4,950	36	SW	1.0	3,150	321	SE	0.5
5,310	96	W	10.4	2,430	310	SE	4.2	5,130	82	W	0.7	3,330	302	ESE	1.0
5,490	96	W	10.3	2,610	324	SE	4.5	5,310	97	W	0.4	3,510	318	SE	1.5
5,670	98	W	10.5	2,790	328	SSE	3.9	5,490	60	WSW	0.6	3,690	283	ESE	0.5
5,850	101	W	11.0	2,970	321	SE	3.6	5,670	17	SSW	0.9	3,870	199	NNE	1.0
6,030	99	W	11.3	3,150	333	SSE	4.1	5,850	11	S	0.9	4,050	217	NE	1.5
6,210	93	W	12.0	3,330	332	SSE	3.6	6,030	61	WSW	1.1	4,230	217	NE	1.5
6,390	91	W	13.1	3,510	329	SSE	2.6	6,210	90	W	1.0	4,410	220	NE	1.5
6,570	92	W	13.6	3,690	339	SSE	1.5	6,390	61	WSW	0.7	4,590	207	NNE	1.0
Disappearance: Distance.				3,870	350	S	2.5	6,570	38	SW	0.8	4,770	84	W	0.2
No. 781. Oct. 31, 1934; 13h				4,050	41	SW	2.5	6,750	41	SW	1.8	4,950	43	SW	0.5
40m. Clouds: 8 Ci. Vis.: 7. 22° halo; lt. drift				4,230	26	SSW	1.0	6,930	26	SSW	2.1	5,130	82	W	1.0
Surface	301	ESE	8.0	4,410	10	S	0.9	7,110	13	SSW	1.5	5,310	132	NW	1.0
216	294	ESE	13.9	4,590	344	SSE	1.1	7,290	32	SSW	1.5	5,490	160	NNW	1.5
414	287	ESE	13.8	4,770	246	ENE	1.0	7,470	47	SW	2.0	5,670	182	N	1.0
612	280	E	7.6	4,950	184	N	0.7	7,650	60	WSW	3.0	5,850	158	NNW	1.2
801	286	ESE	4.3	5,130	224	NE	0.7	7,830	70	WSW	4.0	6,030	154	NNW	2.5
990	289	ESE	5.5	5,310	190	N	1.1	8,010	75	WSW	4.1	6,210	162	NNW	3.5
1,170	279	E	6.9	5,490	126	NW	1.4	8,190	80	W	4.1	6,390	159	NNW	4.0
156657—39—15				5,670	106	WNW	2.0	8,370	86	W	4.6	6,570	165	NNW	4.8
				5,850	108	WNW	2.7	8,550	95	W	5.6	6,930	159	NNW	4.6
				6,030	96	W	3.1	8,730	102	WNW	6.8	7,110	154	NNW	4.3
				6,210	89	W	3.4	8,910	102	WNW	8.0	7,290	145	NW	4.2

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 784—Continued				No. 786. Nov. 2, 1934; 8h 45m. Clouds: Few Ast N. Vis.: 8				No. 787—Continued				No. 790. Nov. 3, 1934; 14h 27m. Clouds: 10 St ENE. Lt. fog. Vis.: 3. Lt. drift			
7,470	139	NW	5.0	Surface	245	ENE	2.9	1,890	142	NW	6.2	Surface	284	ESE	9.4
7,650	131	NW	6.1	216	273	E	1.5	2,070	140	NW	7.3	216	241	ENE	9.5
7,830	124	NW	7.0	414	182	N	1.2	2,250	140	NW	9.8	414	222	NE	9.3
8,010	121	WNW	7.6	612	180	N	3.1	2,430	147	NNW	10.7	612	227	NE	8.2
Disappearance: Bursting.				801	167	NNW	4.1	2,790	156	NNW	8.8	801	238	ENE	8.5
No. 785. Nov. 1, 1934; 21h 05m. Clouds: 4 Ci (NW?), 1 CiSt (NW?). Vis.: 9				990	147	NNW	4.6	2,970	149	NNW	8.7	990	243	ENE	9.3
Surface	358	S	1.9	1,170	142	NW	4.6	3,150	141	NW	8.5	1,170	243	ENE	9.2
216	339	SSE	0.6	1,350	150	NNW	5.0	3,330	152	NNW	8.2	Disappearance: Entered St, 1,170 m.			
414	328	SSE	0.6	1,530	149	NNW	5.1	3,510	188	N	8.8	No. 791. Nov. 4, 1934; 9h 23m. Clouds: 9 StCu N. Vis.: 5. Lt. drift, lt. snow			
612	302	ESE	1.1	1,710	145	NW	5.0	3,690	204	NNE	10.7	Surface	275	E	7.6
801	292	ESE	0.8	1,890	149	NNW	5.0	3,870	207	NNE	10.2	216	243	ENE	6.1
990	294	ESE	0.6	2,070	165	NNW	4.8	4,050	209	NNE	10.0	414	221	NE	4.0
1,170	268	E	0.8	2,250	176	N	5.6	4,230	213	NNE	10.4	612	213	NNE	4.1
1,350	236	NE	0.7	2,430	185	N	6.0	4,410	212	NNE	10.7	801	219	NE	5.0
1,530	124	NW	0.5	2,610	194	NNE	6.0	4,590	210	NNE	10.5	990	212	NNE	5.0
1,710	102	WNW	0.5	2,790	195	NNE	6.8	4,770	212	NNE	10.3	1,170	202	NNE	5.5
1,890	224	NE	0.7	2,970	198	NNE	7.6	4,950	212	NNE	10.7	1,350	195	NNE	5.4
2,070	223	NE	1.9	3,150	201	NNE	8.2	5,130	212	NNE	11.2	1,530	188	N	4.8
2,250	218	NE	2.7	3,330	207	NNE	8.2	5,310	212	NNE	12.3	Disappearance: Entered StCu 1,530 m.			
2,430	215	NE	2.9	3,510	212	NNE	8.0	5,490	215	NE	12.0	No. 792. Nov. 4, 1934; 20h 30m. Clouds: 10 St NNE. Vis.: 5			
2,610	207	NNE	2.6	3,690	214	NE	7.9	5,670	218	NE	11.8	Surface	268	E	5.8
2,790	207	NNE	2.7	3,870	222	NE	8.0	5,850	213	NNE	8.6	216	241	ENE	4.8
2,970	212	NNE	3.7	4,050	227	NE	8.0	6,030	209	NNE	7.9	414	203	NNE	3.7
3,150	208	NNE	4.3	4,230	228	NE	8.1	6,210	209	NNE	8.2	612	197	NNE	4.4
3,330	205	NNE	4.4	4,410	227	NE	8.2	6,390	206	NNE	8.8	706	198	NNE	4.8
3,510	204	NNE	4.4	4,590	223	NE	8.7	6,570	200	NNE	9.2	Disappearance: Entered St, 706 m.			
3,690	207	NNE	4.3	4,770	223	NE	8.7	6,750	198	NNE	11.8	No. 793. Nov. 5, 1934; 8h 56m. Clouds: 10 St S. Vis.: 6. Lt. snow			
3,870	211	NNE	3.3	4,950	223	NE	8.5	6,930	199	NNE	11.8	Surface	294	ESE	1.8
4,050	197	NNE	2.0	5,130	220	NE	8.5	7,110	199	NNE	11.2	216	263	E	1.8
4,230	176	N	1.6	5,310	218	NE	8.3	7,290	201	NNE	12.8	414	310	SE	1.7
4,410	174	N	1.5	5,490	216	NE	8.5	7,470	202	NNE	14.2	612	331	SSE	2.7
4,590	173	N	1.2	5,670	213	NNE	8.6	7,650	201	NNE	15.9	801	355	S	3.0
4,770	187	N	1.1	5,850	209	NNE	7.9	7,830	201	NNE	15.7	990	3	S	3.0
4,950	196	NNE	1.5	6,030	209	NNE	7.2	8,010	201	NNE	15.0	Disappearance: Entered St, 990 m.			
5,130	200	NNE	2.2	6,210	209	NNE	8.2	8,190	202	NNE	14.8	No. 794. Nov. 5, 1934; 16h 22m. Clouds: 5 StCu WSW, 5 St WSW. Vis.: 7			
5,310	206	NNE	2.7	6,390	206	NNE	8.8	8,370	207	NNE	12.0	Surface	9	S	2.7
5,490	197	NNE	2.6	6,570	198	NNE	11.8	8,550	215	NE	11.0	216	41	SW	3.5
5,670	193	NNE	2.6	6,750	199	NNE	11.8	8,730	220	NE	12.0	414	66	WSW	3.9
5,850	188	N	3.5	6,930	199	NNE	11.2	Disappearance: Distance.							
6,030	177	N	4.4	7,110	199	NNE	11.2	No. 787. Nov. 2, 1934; 14h. Clouds: 7 ACu NW. Vis.: 9							
6,210	171	N	4.6	7,290	201	NNE	12.8	Surface	250	ENE	3.0				
6,390	165	NNW	5.5	7,470	202	NNE	14.2	216	269	E	3.0				
6,570	165	NNW	5.7	7,650	201	NNE	15.9	414	136	NW	1.8				
6,750	168	NNW	5.1	7,830	201	NNE	15.7	612	148	NNW	3.8				
6,930	165	NNW	4.9	8,010	201	NNE	15.0	801	153	NNW	5.0				
7,110	159	NNW	5.0	8,190	202	NNE	14.8	990	136	NW	5.8				
7,290	155	NNW	5.3	8,370	207	NNE	12.0	1,170	132	NW	6.2				
7,470	160	NNW	6.0	8,550	215	NE	11.0	1,350	137	NW	7.0				
7,650	162	NNW	6.5	8,730	220	NE	12.0	1,530	139	NW	7.3				
7,830	157	NNW	7.2	Disappearance: Entered ACu 2,970 m.				1,710	140	NW	6.5				
8,010	152	NNW	7.6	No. 789. Nov. 3, 1934; 1h 50m. Clouds: 7 ACu NNW 2 St N. Vis.: 8											
8,190	142	NW	7.9	Surface	270	E	7.6								
8,370	136	NW	8.9	216	245	ENE	9.1								
8,550	132	NW	9.5	414	206	NNE	8.3								
8,730	127	NW	9.7	612	178	N	10.4								
8,910	126	NW	9.3	Disappearance: Entered St, 612 m.											
9,090	125	NW	9.0												
9,270	125	NW	9.0												
9,450	125	NW	8.7												
Disappearance: Bursting.															

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 794—Continued				No. 797—Continued				No. 802. Nov. 9, 1934; 8h 30m. Clouds: 10 StCu NNW. Vis.: 7				No. 806. Nov. 10, 1934; 21h 01m. Clouds: Few St SW. Vis.: 8. Heavy shower of ice crystals falling. 22° halo parhelia			
612	75	WSW	4.0	5,850	62	WSW	7.6	Surface	270	E	1.0	Surface	37	SW	5.8
801	74	WSW	4.2	6,030	68	WSW	7.7	216	74	WSW	1.6	216	28	SSW	10.4
990	70	WSW	5.0	6,210	72	WSW	7.8	414	76	WSW	5.5	414	41	SW	10.2
1,170	72	WSW	5.2	6,390	76	WSW	8.5	612	97	W	6.1	612	45	SW	10.1
1,350	73	WSW	5.2	6,570	74	WSW	9.2	801	152	NNW	9.8	801	45	SW	10.0
Disappearance: Entered St, 1,350 m.				6,750	64	WSW	9.0	990	166	NNW	14.0	990	50	SW	10.0
No. 795. Nov. 5, 1934; 21h 45m. Clouds: 10 St SW. Vis.: 5				6,930	66	WSW	7.6	1,170	167	NNW	14.0	1,170	53	SW	10.5
Surface	31	SSW	4.0	7,110	79	W	7.5	Disappearance: Entered StCu, 1,170 m.				1,350	57	WSW	10.0
216	46	SW	4.7	7,290	76	WSW	8.8	No. 803. Nov. 9, 1934; 19h 36m. Clouds: 9 St NW. Vis.: 6				1,530	63	WSW	9.0
Disappearance: Entered St, 216 m.				7,470	67	WSW	8.4	Surface	80	W	4.9	1,710	64	WSW	8.6
No. 796. Nov. 6, 1934; 8h 43m. Clouds: 10 St SSE. Lt. fog. Vis.: 6. Lt. snow				7,650	64	WSW	7.3	216	89	W	5.9	1,890	69	WSW	8.4
Surface	342	SSE	2.2	7,830	62	WSW	5.1	414	122	WNW	6.0	2,070	68	WSW	7.3
216	352	S	1.4	8,010	72	WSW	5.2	612	142	NW	8.0	2,250	43	SW	7.1
414	346	SSE	3.7	8,190	83	W	6.7	706	146	NW	8.4	2,430	29	SSW	7.6
Disappearance: Entered St, 414 m.				8,370	82	W	7.4	Disappearance: Entered St 706 m.				2,610	26	SSW	7.5
No. 797. Nov. 6, 1934; 20h 30m. Clouds: Few St W. Vis.: 8				8,550	78	WSW	8.1	No. 804. Nov. 10, 1934; 8h 36m. Clouds: 8 StCu SSW. Vis.: 7				2,790	26	SSW	7.6
Surface	41	SW	2.2	8,730	76	WSW	8.1	Surface	355	S	4.5	2,970	26	SSW	7.1
216	51	SW	3.5	8,910	77	WSW	9.0	216	359	S	6.9	3,150	30	SSW	6.5
414	98	W	3.8	Disappearance: Lost owing to refraction by heat coming out of smokestack,				414	122	WNW	6.0	3,330	37	SW	7.2
612	109	WNW	4.7	No. 798. Nov. 7, 1934; 3h 10m. Clouds: 10 St WSW. Lt. fog. Vis.: 3. Lt. fog and St formed after midnight				612	142	NW	8.0	3,510	35	SW	7.0
801	100	W	5.0	Surface	23	SSW	3.2	706	146	NW	8.4	3,690	26	SSW	4.9
990	91	W	5.0	216	59	WSW	1.7	Disappearance: Entered St 706 m.				3,870	27	SSW	5.5
1,170	93	W	4.3	Disappearance: Entered St, 216 m.				No. 805. Nov. 10, 1934; 13h 17m. Clouds: 1 St SSE. Vis.: 8				4,050	30	SSW	6.1
1,350	107	WNW	4.1	No. 799. Nov. 7, 1934; 13h 42m. Clouds: 10 St NW. Vis.: 6				Surface	355	S	4.5	4,230	26	SSW	5.7
1,530	110	WNW	4.5	Surface	65	WSW	2.2	216	359	S	6.9	4,410	25	SSW	5.8
1,710	105	WNW	4.5	216	114	WNW	2.2	414	14	SSW	7.9	4,590	26	SSW	5.0
1,890	94	W	4.3	315	132	NW	1.7	612	18	SSW	8.8	4,770	29	SSW	4.0
2,070	78	WSW	3.8	Disappearance: Entered St, 315 m.				801	16	SSW	9.5	4,950	31	SSW	5.0
2,250	75	WSW	3.2	No. 800. Nov. 8, 1934; 9h 40m. Clouds: 10 St S. Lt. fog. Vis.: 4				Disappearance: Entered StCu, 801 m.				5,130	24	SSW	5.3
2,430	76	WSW	3.0	Surface	17	SSW	2.7	No. 807. Nov. 11, 1934; 6h 35m. Clouds: 0. Vis.: 8. Heavy shower of ice crystals falling				5,310	24	SSW	5.9
2,610	64	WSW	3.5	216	4	S	1.5	Surface	308	SE	5.4	5,490	32	SSW	5.8
2,790	58	WSW	3.5	Disappearance: Entered St, 216 m.				216	328	SSE	5.8	5,670	33	SSW	5.3
2,970	60	WSW	3.5	No. 801. Nov. 8, 1934; 21h 24m. Clouds: 10 St SW. Vis.: 6				414	356	S	7.1	5,850	32	SSW	4.2
3,150	68	WSW	4.0	Surface	11	S	4.0	612	357	S	9.0	6,030	36	SW	5.1
3,330	65	WSW	3.9	216	29	SSW	3.2	801	347	SSE	10.5	6,210	38	SW	7.0
3,510	70	WSW	3.3	414	52	SW	1.8	990	340	SSE	11.1	6,390	39	SW	6.6
3,690	79	W	3.8	Disappearance: Entered St, 414 m.				1,170	334	SSE	11.3	Disappearance: Bursting.			
3,870	69	WSW	3.7	No. 802. Nov. 9, 1934; 8h 30m. Clouds: 10 StCu NNW. Vis.: 7				1,350	330	SSE	11.3	No. 807. Nov. 11, 1934; 6h 35m. Clouds: 0. Vis.: 8. Heavy shower of ice crystals falling			
4,050	59	WSW	4.5	Surface	11	S	4.0	1,530	341	SSE	11.6	Surface	35	SW	6.3
4,230	59	WSW	5.1	216	29	SSW	3.2	1,710	350	S	12.0	216	28	SSW	12.0
4,410	59	WSW	5.2	414	52	SW	1.8	1,890	351	S	11.3	414	29	SSW	14.9
4,590	61	WSW	5.0	Disappearance: Entered St, 414 m.				2,070	352	S	11.2	612	29	SSW	16.1
4,770	59	WSW	5.2	No. 803. Nov. 9, 1934; 19h 36m. Clouds: 9 St NW. Vis.: 6				2,250	355	S	11.1	801	21	SSW	15.9
4,950	57	WSW	5.3	Surface	11	S	4.0	2,430	354	S	10.5	990	28	SSW	14.7
5,130	60	WSW	4.8	216	29	SSW	3.2	2,610	352	S	10.2	1,170	17	SSW	13.3
5,310	67	WSW	4.9	414	52	SW	1.8	2,790	354	S	10.0	1,350	14	SSW	12.9
5,490	70	WSW	5.5	Disappearance: Entered St, 414 m.				Disappearance: Background.				1,530	14	SSW	11.4
5,670	62	WSW	6.8	No. 804. Nov. 10, 1934; 8h 36m. Clouds: 8 StCu SSW. Vis.: 7				No. 805. Nov. 10, 1934; 13h 17m. Clouds: 1 St SSE. Vis.: 8				1,710	17	SSW	10.1
				No. 806. Nov. 10, 1934; 21h 01m. Clouds: Few St SW. Vis.: 8. Heavy shower of ice crystals falling. 22° halo parhelia				No. 807. Nov. 11, 1934; 6h 35m. Clouds: 0. Vis.: 8. Heavy shower of ice crystals falling				1,890	23	SSW	10.0
												2,070	25	SSW	10.0
												2,250	22	SSW	9.2
												2,430	26	SSW	7.9
												2,610	32	SSW	8.0
												2,790	26	SSW	9.0
												2,970	23	SSW	8.5
												3,150	15	SSW	7.1

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 807—Continued				No. 809. Nov. 11, 1934; 19h 20m. Clouds: Few St SW. Vis.: 8				No. 811. Nov. 12, 1934; 10h 35m. Clouds: Few StCu WNW. Vis.: 9				No. 814—Continued			
3,330	5	S	5.9	Surface	74	WSW	6.6	Surface	211	NNE	3.2	612	296	ESE	5.4
3,510	5	S	5.0	216	39	SW	14.3	216	89	W	6.7	801	288	ESE	6.0
3,690	8	S	3.5	414	35	SW	18.8	414	88	W	12.9	990	274	E	5.5
3,870	19	SSW	4.0	612	40	SW	19.0	612	95	W	13.8	1,170	257	ENE	4.4
4,050	15	SSW	4.5	801	42	SW	18.0	801	101	W	13.7	1,350	246	ENE	5.2
4,230	12	SSW	5.0	990	44	SW	17.8	990	102	WNW	13.2	1,530	254	ENE	5.6
4,410	11	S	6.1	1,170	46	SW	16.2	1,170	96	W	11.9	1,710	275	E	4.5
4,590	7	S	5.0	1,350	48	SW	15.8	1,350	89	W	11.0	1,890	320	SE	5.4
4,770	0	S	5.0	1,530	49	SW	15.1	1,530	83	W	11.6	2,070	340	SSE	8.4
4,950	355	S	4.7	1,710	50	SW	15.0	1,710	82	W	11.7	2,250	312	SE	9.9
5,130	10	S	2.6	1,890	48	SW	15.6	1,890	87	W	8.5	2,430	295	ESE	10.0
5,310	6	S	2.0	2,070	48	SW	14.0	2,070	97	W	8.9	2,610	289	ESE	10.5
5,490	16	SSW	2.0					2,250	137	NW	3.3	2,790	287	ESE	11.4
Disappearance: Distance.				Disappearance: Bursting.				Disappearance: Bursting.				Disappearance: Background. Sky cleared rapidly this morning.			
No. 808. Nov. 11, 1934; 10h 29m. Clouds: 0. Vis.: 8. Heavy shower of ice crystals falling				No. 810. Nov. 12, 1934; 6h 50m. Clouds: Few StCu WSW. Vis.: 9				No. 812. Nov. 13, 1934; 14h 15m. Clouds: 10 St N. Vis.: 6. Lt. snow				No. 815. Nov. 14, 1934; 15h 57m. Clouds: 6 ACu SE, 1 ASt SE. Vis.: 8			
Surface	26	SSW	7.5	Surface	44	SW	1.1	Surface	228	NE	1.5	Surface	350	S	3.1
216	24	SSW	10.0	216	72	WSW	10.2	216	192	NNE	3.5	216	322	SE	4.6
414	18	SSW	12.6	414	76	WSW	12.3	414	183	N	5.3	414	324	SE	4.3
612	14	SSW	14.5	612	79	W	13.3	612	182	N	5.9	612	345	SSE	4.5
801	14	SSW	14.8	801	81	W	14.0	801	184	N	6.3	801	336	SSE	4.9
990	16	SSW	13.8	990	82	W	14.5	990	182	N	6.3	990	339	SSE	5.1
1,170	16	SSW	12.4	1,170	82	W	12.6					1,170	339	SSE	4.9
1,350	11	S	11.5	1,350	86	W	9.4					1,350	335	SSE	5.7
1,530	12	SSW	11.7	1,530	89	W	8.2					1,530	330	SSE	4.3
1,710	15	SSW	9.5	1,710	90	W	7.9					1,710	322	SE	2.5
1,890	15	SSW	9.6	1,890	86	W	8.5					1,890	308	SE	3.2
2,070	19	SSW	10.0	2,070	69	WSW	9.0					2,070	317	SE	5.0
2,250	24	SSW	9.9	2,250	49	SW	6.8					2,250	322	SE	7.

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 816—Continued				No. 819. Nov. 15, 1934; 20h 15m. Clouds: 0. Vis.: 9				No. 821. Nov. 16, 1934; 15h. Clouds: 0. Vis.: 9				No. 822—Continued			
2,970	327	SSE	15.8	Surface	330	SSE	2.0	Surface	7	S	5.4	3,870	287	ESE	8.0
3,150	329	SSE	16.4	216	269	E	6.0	216	3	S	5.4	4,050	285	ESE	9.2
3,330	328	SSE	16.2	414	290	ESE	4.7	414	338	SSE	3.5	4,230	284	ESE	9.5
Disappearance: Lost.				612	332	SSE	7.0	612	342	SSE	3.9	4,410	282	ESE	8.8
No. 817. Nov. 15, 1934; 7h 58m. Clouds: Few AS t SE. Vis.: 9				801	334	SSE	9.2	801	6	S	4.3	4,590	282	ESE	8.0
Surface	6	S	2.9	990	333	SSE	9.3	990	13	SSW	6.0	4,770	283	ESE	8.5
216	330	SSE	2.7	1,170	334	SSE	10.8	1,170	5	S	7.0	4,950	288	ESE	9.4
414	326	SE	4.5	1,350	336	SSE	12.0	1,350	353	S	7.7	5,130	293	ESE	9.0
612	328	SSE	7.1	1,530	340	SSE	13.0	1,530	352	S	7.5	5,310	297	ESE	9.0
801	335	SSE	8.2	1,710	342	SSE	13.7	1,710	354	S	7.2	5,490	299	ESE	9.6
990	344	SSE	8.8	1,890	342	SEE	13.5	1,890	352	S	8.0	5,670	296	ESE	9.4
1,170	343	SSE	9.0	2,070	344	SSE	13.1	2,070	353	S	8.3	5,850	294	ESE	9.0
1,350	338	SSE	9.6	2,250	345	SSE	13.2	2,250	353	S	8.0	6,030	293	ESE	9.0
1,530	334	SSE	9.8	2,430	345	SSE	13.6	2,430	348	SSE	8.0	6,210	291	ESE	9.0
1,710	328	SSE	10.2	2,610	349	S	13.6	2,610	349	S	8.1	6,390	289	ESE	9.0
1,890	318	SE	11.2	2,790	350	S	14.6	2,790	355	S	7.5	Disappearance: Bursting.			
2,070	320	SE	11.9	2,970	350	S	15.2	2,970	357	S	7.1	No. 823. Nov. 17, 1934; 8h 40m. Clouds: 1 AS t SE. Vis.: 9.			
2,250	327	SSE	11.7	3,150	351	S	15.4	3,150	356	S	7.0	Surface	277	E	2.2
2,430	323	SE	11.5	3,330	347	SSE	15.6	3,330	349	S	6.5	216	260	E	3.5
2,610	325	SE	12.5	3,510	353	S	14.3	3,510	345	SSE	6.4	414	261	E	2.0
2,790	328	SSE	13.5	3,690	358	S	14.2	3,690	346	SSE	7.2	612	310	SE	1.2
Disappearance: Lost.				3,870	353	S	15.0	3,870	343	SSE	7.3	801	352	S	1.8
No. 818. Nov. 15, 1934; 12h 47m. Clouds: 0. Vis.: 9				4,050	353	S	16.5	4,050	335	SSE	7.0	990	334	SSE	1.2
Surface	356	S	5.4	4,230	356	S	17.1	4,230	324	SE	7.0	1,170	329	SSE	1.8
216	5	S	2.7	4,410	357	S	17.8	4,410	317	SE	6.5	1,350	328	SSE	3.0
414	347	SSE	2.4	4,590	356	S	19.0	4,590	323	SE	6.1	1,530	318	SE	4.3
612	324	SE	3.0	Disappearance: Distance.				4,770	329	SSE	6.0	1,710	315	SE	4.5
801	327	SSE	5.5	No. 820. Nov. 16, 1934; 9h. Clouds: 0. Vis.: 8. Shower ice crystals falling				4,950	324	SE	6.2	1,890	320	SE	4.3
990	331	SSE	8.6	Surface	25	SSW	7.6	5,130	329	SSE	7.0	2,070	322	SE	5.3
1,170	334	SSE	9.1	216	0	S	12.3	5,310	329	SSE	7.0	2,250	319	SE	5.5
1,350	342	SSE	9.3	414	351	S	12.0	5,490	332	SSE	6.6	2,430	315	SE	5.8
1,530	353	S	11.0	612	348	SSE	10.0	5,670	328	SSE	7.0	2,610	312	SE	5.9
1,710	353	S	11.9	801	341	SSE	9.3	5,850	316	SE	7.5	2,790	308	SE	6.1
1,890	348	SSE	11.8	990	339	SSE	8.3	6,030	307	SE	7.5	2,970	309	SE	7.2
2,070	346	SSE	11.5	1,170	344	SSE	7.6	6,210	301	ESE	7.1	3,150	316	SE	8.3
2,250	347	SSE	11.7	1,350	351	S	8.0	6,390	300	ESE	7.9	3,330	317	SE	8.5
2,430	344	SSE	12.8	1,530	357	S	9.3	6,570	298	ESE	8.0	3,510	317	SE	9.2
2,610	341	SSE	13.9	1,710	358	S	10.4	6,750	298	ESE	7.6	3,690	321	SE	9.5
2,790	340	SSE	14.5	1,890	356	S	10.4	6,930	307	SE	6.8	3,870	322	SE	8.8
2,970	337	SSE	14.1	2,070	344	SSE	9.5	7,110	316	SE	6.0	Disappearance: Bursting.			
3,150	335	SSE	14.4	2,250	331	SSE	8.5	No. 822. Nov. 16, 1934; 22h 45m. Clouds: 0. Vis.: 9				No. 824. Nov. 17, 1934; 13h 55m. Clouds: 8 AS t S, 1 St Cu NNW. Partial 22° halo			
3,330	337	SSE	15.0	2,430	331	SSE	7.4	Surface	38	SW	1.8	Surface	271	E	5.4
3,510	337	SSE	14.5	2,610	340	SSE	6.4	216	221	NE	1.4	216	184	N	6.7
3,690	330	SSE	15.0	2,790	342	SSE	5.8	414	300	ESE	2.7	414	167	NNW	9.6
3,870	328	SSE	16.6	2,970	341	SSE	5.7	612	333	SSE	4.1	612	165	NNW	9.9
4,050	328	SSE	18.8	3,150	344	SSE	6.0	801	331	SSE	5.5	801	167	NNW	7.9
4,230	329	SSE	21.0	3,330	349	S	6.3	990	327	SSE	7.5	990	165	NNW	4.5
4,410	327	SSE	21.9	3,510	359	S	6.5	1,170	327	SSE	8.2	1,170	156	NNW	2.5
4,590	323	SE	22.0	3,690	6	S	7.7	1,350	326	SE	9.0	1,350	104	WNW	1.1
3,770	323	SE	23.6	3,870	0	S	8.5	1,530	326	SE	9.0	1,530	71	WSW	0.7
4,950	324	SE	26.1	4,050	356	S	7.9	1,710	321	SE	8.8	1,710	39	SW	0.8
5,130	325	SE	26.4	4,230	355	S	7.7	1,890	315	SE	8.5	1,890	28	SSW	2.0
5,310	325	SE	26.0	4,410	354	S	8.6	2,070	307	SE	8.4	2,070	26	SSW	2.9
Disappearance: Distance.				4,590	357	S	8.5	2,250	301	ESE	8.5	2,250	14	SSW	2.6
No. 820. Nov. 16, 1934; 9h. Clouds: 0. Vis.: 8. Shower ice crystals falling				4,770	6	S	8.6	2,430	294	ESE	8.9	2,430	5	S	2.8
Surface	25	SSW	7.6	4,950	7	S	9.5	2,610	284	ESE	9.2	2,610	359	S	2.8
216	0	S	12.3	5,130	5	S	9.8	2,790	275	E	10.2	2,790	351	S	2.0
414	351	S	12.0	Disappearance: Distance.				2,970	274	E	10.4	Disappearance: Entered AS t, 2,790 m.			
612	348	SSE	10.0	No. 822. Nov. 16, 1934; 22h 45m. Clouds: 0. Vis.: 9				3,150	282	ESE	9.1				
801	341	SSE	9.3	Surface	38	SW	1.8	3,330	290	ESE	9.6				
990	339	SSE	8.3	216	221	NE	1.4	3,510	288	ESE	10.1				
1,170	344	SSE	7.6	414	300	ESE	2.7	3,690	287	ESE	8.5				
1,350	351	S	8.0	612	333	SSE	4.1								
1,530	357	S	9.3	801	331	SSE	5.5								
1,710	358	S	10.4	990	327	SSE	7.5								
1,890	356	S	10.4	1,170	327	SSE	8.2								
2,070	344	SSE	9.5	1,350	326	SE	9.0								
2,250	331	SSE	8.5	1,530	326	SE	9.0								
2,430	331	SSE	7.4	1,710	321	SE	8.8								
2,610	340	SSE	6.4	1,890	315	SE	8.5								
2,790	342	SSE	5.8	2,070	307	SE	8.4								
2,970	341	SSE	5.7	2,250	301	ESE	8.5								
3,150	344	SSE	6.0	2,430	294	ESE	8.9								
3,330	349	S	6.3	2,610	284	ESE	9.2								
3,510	359	S	6.5	2,790	275	E	10.2								
3,690	6	S	7.7	2,970	274	E	10.4								
3,870	0	S	8.5	3,150	282	ESE	9.1								
4,050	356	S	7.9	3,330	290	ESE	9.6								
4,230	355	S	7.7	3,510	288	ESE	10.1								
4,410	354	S	8.6	3,690	287	ESE	8.5								
4,590	357	S	8.5												
4,770	6	S	8.6												
4,950	7	S	9.5												
5,130	5	S	9.8												

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 825. Nov. 18, 1934; 9h 36m. Clouds: 0. Vis.: 9				No. 827—Continued				No. 829—Continued				No. 832—Continued			
Surface	359	S	3.6	3,690	308	SE	12.6	2,070	359	S	3.1	612	289	ESE	3.8
216	0	S	4.5	3,870	309	SE	13.2	2,250	354	S	3.2	801	297	ESE	3.9
414	2	S	5.0	4,050	309	SE	14.3	2,430	0	S	3.5	990	298	ESE	4.0
612	8	S	5.3	4,230	311	SE	14.3	2,610	359	S	3.5	1,170	298	ESE	3.9
801	6	S	5.4	4,410	311	SE	15.0	2,790	348	SSE	4.1	1,350	296	ESE	4.2
990	0	S	6.1	4,590	309	SE	14.6	2,970	342	SSE	5.8	1,530	292	ESE	4.4
1,170	347	SSE	6.4	4,770	307	SE	14.7	3,150	341	SSE	7.0	1,710	289	ESE	4.5
1,350	334	SSE	7.0	4,950	301	ESE	15.6	3,330	337	SSE	7.4	1,890	282	ESE	4.8
1,530	332	SSE	8.3	5,130	297	ESE	15.9	3,510	327	SSE	8.7	2,070	274	E	4.7
1,710	325	SE	9.0	5,310	294	ESE	16.1	3,690	323	SE	10.0	2,250	274	E	4.4
1,890	318	SE	8.9	5,490	293	ESE	16.6	3,870	322	SE	10.5	2,430	263	E	4.1
2,070	312	SE	9.0	5,670	293	ESE	16.2	4,050	320	SE	11.1	2,610	250	ENE	4.3
2,250	309	SE	9.3	5,850	291	ESE	16.0	4,230	316	SE	11.8	2,790	254	ENE	5.1
2,430	306	SE	9.8	Disappearance: Distance.				4,410	314	SE	13.3	2,970	255	ENE	5.5
2,610	308	SE	9.6	No. 828. Nov. 19, 1934; 0h 24m. Clouds: 2 Ci, 2 AS ESE. Vis.: 8				4,590	315	SE	14.7	3,150	254	ENE	5.9
2,790	314	SE	10.0	Surface	355	S	2.5	4,770	318	SE	15.8	3,330	252	ENE	6.2
2,970	314	SE	10.3	216	296	ESE	3.7	4,950	320	SE	16.5	3,510	246	ENE	6.2
Disappearance: Bursting (?).				414	318	SE	3.0	Disappearance: Background.				3,690	249	ENE	6.6
No. 826. Nov. 18, 1934; 11h 37m. Clouds: Few AS S. Vis.: 9				612	330	SSE	3.0	No. 830. Nov. 19, 1934; 14h 32m. Clouds: Few Ci SE, 1 CiSt SE. 1 AS SSE, 7 StCu NW. Vis.: 8				3,870	257	ENE	6.7
Surface	52	SW	4.0	801	341	SSE	3.0	Surface	294	ESE	3.6	4,050	261	E	6.6
216	20	SSW	3.5	990	0	S	3.3	216	239	ENE	2.4	4,230	261	E	7.0
414	19	SSW	3.5	1,170	345	SSE	3.8	414	177	N	2.1	4,410	261	E	7.1
612	13	SSW	3.7	1,350	319	SE	5.0	612	169	N	2.3	4,590	261	E	7.1
801	353	S	5.6	1,530	308	SE	5.6	801	152	NNW	2.1	4,770	253	ENE	7.5
990	341	SSE	7.2	1,710	310	SE	6.3	990	139	NW	2.8	4,950	260	E	8.7
1,170	335	SSE	7.2	1,890	318	SE	6.8	1,170	131	NW	2.9	5,130	265	E	9.3
1,350	334	SSE	6.9	2,070	318	SE	6.7	1,350	126	NW	2.7	5,310	258	ENE	9.9
1,530	327	SSE	7.0	2,250	320	SE	7.1	Disappearance: Entered StCu 1,350 m.				5,490	258	ENE	10.2
1,710	318	SE	6.7	2,430	323	SE	7.7	No. 831. Nov. 21, 1934; 9h 53m. Clouds: Few AS ESE. Vis.: 8. Very lt. drift.				5,670	258	ENE	10.5
1,890	328	SSE	6.7	2,610	326	SE	8.3	Surface	279	E	8.9	5,850	257	ENE	14.7
2,070	335	SSE	7.5	2,790	327	SSE	9.1	216	274	E	9.9	6,030	259	E	15.5
2,250	322	SE	7.8	2,970	321	SE	9.7	414	259	E	7.1	6,210	266	E	12.3
2,430	321	SE	7.7	3,150	316	SE	10.5	612	247	ENE	5.3	6,390	265	E	12.3
2,610	318	SE	7.5	3,330	314	SE	11.3	801	249	ENE	4.7	6,570	265	E	12.4
Disappearance: Lost in sun.				3,510	313	SE	11.9	990	252	ENE	4.4	6,750	268	E	12.2
No. 827. Nov. 18, 1934; 19h 04m. Clouds: Few Ci ESE, Few AS SE. Vis.: 9				3,690	311	SE	12.5	Disappearance: drift melting on object lens.				6,930	265	E	12.5
Surface	59	WSW	2.7	3,870	313	SE	13.0	No. 832. Nov. 21, 1934; 13h 22m. Clouds: Few Cu E. Vis.: 9. Very lt. drift				7,110	256	ENE	12.5
216	20	SSW	5.5	4,050	311	SE	13.6	Surface	285	ESE	7.6	7,290	253	ENE	11.5
414	18	SSW	5.5	4,230	312	SE	13.8	216	276	E	9.5	7,470	272	E	12.0
612	12	SSW	4.2	4,410	311	SE	14.0	414	276	E	6.1	7,650	265	E	13.0
801	0	S	3.3	4,590	307	SE	14.7	612	247	ENE	5.3	7,830	262	E	11.2
990	337	SSE	3.5	4,770	301	ESE	15.5	801	249	ENE	4.7	8,010	265	E	10.0
1,170	324	SE	4.8	4,950	301	ESE	15.0	990	252	ENE	4.4	Disappearance: Bursting (?).			
1,350	331	SSE	5.1	5,130	301	ESE	14.2	1,170	255	ENE	4.2	No. 833. Nov. 21, 1934; 19h 20m. Clouds: Few AS E. Vis.: 9			
1,530	350	S	4.6	Disappearance: Entered ASSt, 5,130 m.				1,350	262	E	4.2	Surface	19	SSW	2.0
1,710	351	S	6.0	No. 829. Nov. 19, 1934; 8h 51m. Clouds: 4 Ci SE, 4 CiSt SE. Vis.: 8				1,530	267	E	4.3	216	312	SE	3.9
1,890	339	SSE	6.8	Surface	317	SE	1.8	1,710	274	E	4.5	414	339	SSE	4.1
2,070	326	SE	7.1	216	211	NNE	1.4	1,890	281	E	5.2	612	322	SE	5.0
2,250	322	SE	7.9	414	169	N	1.9	2,070	282	ESE	6.5	801	310	SE	5.0
2,430	313	SE	7.1	612	161	NNW	0.9	2,250	280	E	7.3	990	320	SE	4.0
2,610	313	SE	8.5	801	122	WNW	0.6	2,430	277	E	7.0	1,170	336	SSE	4.0
2,790	314	SE	10.5	990	34	SW	0.6	Disappearance: drift melting on object lens.				1,350	342	SSE	4.4
2,970	306	SE	11.0	1,170	354	S	0.8	No. 832. Nov. 21, 1934; 13h 22m. Clouds: Few Cu E. Vis.: 9. Very lt. drift				1,530	333	SSE	4.3
3,150	310	SE	11.9	1,350	354	S	1.2	Surface	285	ESE	7.6	1,710	316	SE	4.2
3,330	311	SE	12.2	1,530	7	S	1.2	216	276	E	9.5	1,890	308	SE	5.1
3,510	308	SE	12.8	1,710	0	S	1.4	414	276	E	6.1	2,070	298	ESE	6.0
				1,890	357	S	2.5					2,250	285	ESE	5.5

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 833—Continued				No. 835—Continued				No. 836—Continued				No. 839. Nov. 23, 1934; 14h 04m. Clouds: Few Ci ESE. Vis.: 8			
3, 870	254	ENE	5.7	1, 890	330	SSE	5.4	3, 870	302	ESE	2.2	Surface	57	WSW	2.2
4, 050	261	E	6.2	2, 070	328	SSE	6.3	4, 050	279	E	2.5	216	6	S	3.5
4, 230	261	E	6.5	2, 250	324	SE	5.9	4, 230	277	E	3.2	414	332	SSE	4.7
4, 410	258	ENE	7.0	2, 430	319	SE	5.1	4, 410	279	E	3.9	612	328	SSE	6.0
4, 590	259	E	7.1	2, 610	319	SE	5.7	4, 590	274	E	4.5	801	337	SSE	7.1
4, 770	258	ENE	6.7	2, 790	314	SE	5.9	4, 770	274	E	4.2	990	340	SSE	7.3
4, 950	251	ENE	6.2	2, 970	300	ESE	5.7	4, 950	288	ESE	4.2	1, 170	335	SSE	7.1
5, 130	254	ENE	5.2	3, 150	284	ESE	5.8	5, 130	290	ESE	5.1	1, 350	333	SSE	7.3
5, 310	263	E	6.9	3, 330	279	E	5.9	5, 310	287	ESE	5.3	1, 530	338	SSE	6.6
5, 490	263	E	6.9	3, 510	278	E	6.0	5, 490	286	ESE	5.0	1, 710	343	SSE	6.1
5, 670	258	ENE	6.1	3, 690	274	E	6.0	5, 670	281	E	4.8	1, 890	344	SSE	6.3
5, 850	259	E	5.7	3, 870	267	E	5.9	5, 850	272	E	5.5	2, 070	343	SSE	6.5
6, 030	262	E	5.5	4, 050	262	E	6.0	6, 030	265	E	5.7	2, 250	347	SSE	6.0
6, 210	268	E	5.1	4, 230	261	E	6.3	6, 210	264	E	5.3	2, 430	353	S	5.5
6, 390	278	E	5.1	4, 410	264	E	6.4	6, 390	278	E	6.0	2, 610	357	S	5.6
6, 570	277	E	6.1	4, 590	265	E	6.2	6, 570	285	ESE	7.3	2, 790	1	S	5.8
6, 750	271	E	8.2	4, 770	273	E	7.2	6, 750	284	ESE	8.7	2, 970	4	S	5.5
6, 930	272	E	9.9	4, 950	277	E	8.0	6, 930	290	ESE	9.3	3, 150	1	S	5.5
7, 110	273	E	10.0	5, 130	268	E	6.0	7, 110	287	ESE	9.3	3, 330	1	S	5.4
7, 290	271	E	8.9	5, 310	270	E	5.5	7, 290	283	ESE	9.8	3, 510	0	S	5.2
7, 470	269	E	8.1	5, 490	279	E	6.5	7, 470	282	ESE	8.7	3, 690	359	S	5.8
7, 650	271	E	7.7	5, 670	282	ESE	6.6	7, 650	283	ESE	8.0	3, 870	358	S	6.3
7, 830	273	E	8.5	5, 850	283	ESE	7.1	7, 830	280	E	7.5	4, 050	357	S	6.3
8, 010	275	E	9.0	6, 030	282	ESE	7.5	8, 010	279	E	6.5	4, 230	1	S	6.1
8, 190	280	E	7.9	6, 210	279	E	7.7	8, 190	288	ESE	6.0	4, 410	1	S	5.8
8, 370	286	ESE	6.1	6, 390	280	E	8.2	8, 370	285	ESE	5.8	4, 590	355	S	5.8
8, 550	283	ESE	5.8	6, 570	284	ESE	7.9	8, 550	281	E	5.7	4, 770	339	SSE	5.1
8, 730	284	ESE	6.2	6, 750	287	ESE	8.3	8, 730	286	ESE	5.3	4, 950	322	SE	4.2
8, 910	287	ESE	5.6	6, 930	285	ESE	9.6	8, 910	286	ESE	5.0	5, 130	318	SE	3.9
Disappearance: Distance.				7, 110	283	ESE	9.5	Disappearance: Bursting.				5, 310	319	SE	3.7
No. 834. Nov. 21, 1934; 21h 46m. Clouds: (?)				7, 290	284	ESE	10.0	No. 837. Nov. 22, 1934; 20h 20m. Clouds: 10 St S. Vis.: 8				5, 490	321	SE	4.0
Surface	13	SSW	2.7	7, 470	282	ESE	9.8	Surface	286	ESE	1.8	5, 670	317	SE	4.1
216	309	SE	4.4	7, 650	284	ESE	8.7	216	348	SSE	1.2	5, 850	307	SE	4.3
414	325	SE	4.0	7, 830	284	ESE	7.6	414	332	SSE	1.3	6, 030	307	SE	4.5
612	327	SSE	4.0	8, 010	282	ESE	7.0	513	3	S	1.0	6, 210	310	SE	5.5
801	324	SE	4.2	8, 190	283	ESE	7.4	Disappearance: Entered St, 513 m.				6, 390	303	ESE	5.5
990	334	SSE	4.9	8, 370	287	ESE	6.6	No. 838. Nov. 23, 1934; 9h 00m. Clouds: Few Ci ESE, Few Ast SSE. Vis.: 8				6, 570	296	ESE	3.6
1, 170	335	SSE	4.8	8, 550	286	ESE	5.3	Surface	8	S	4.5	6, 750	293	ESE	3.5
1, 350	335	SSE	4.9	8, 730	285	ESE	5.3	216	339	SSE	4.2	6, 930	289	ESE	4.0
1, 530	335	SSE	4.9	8, 910	285	ESE	4.8	414	309	SE	6.0	7, 110	284	ESE	4.2
1, 710	331	SSE	5.0	9, 090	285	ESE	3.8	612	311	SE	6.1	7, 290	274	E	3.7
1, 890	332	SSE	5.0	9, 270	285	ESE	3.2	801	320	SE	5.8	7, 470	275	E	3.7
2, 070	328	SSE	5.3	Disappearance: Bursting.				990	323	SE	5.5	7, 650	283	ESE	4.5
2, 250	313	SE	4.5	No. 836. Nov. 22, 1934; 9h 00m. Clouds: Few Ci, Few St SSW. Vis.: 9				1, 170	326	SE	5.4	7, 830	287	ESE	4.6
2, 430	296	ESE	4.2	Surface	0	S	2.9	1, 350	322	SE	5.6	8, 010	282	ESE	4.9
2, 610	286	ESE	4.5	216	350	S	6.5	1, 530	321	SE	6.1	8, 190	282	ESE	5.5
2, 790	286	ESE	4.6	414	349	S	5.5	1, 710	325	SE	6.8	8, 370	283	ESE	5.2
Disappearance: (?)				612	4	S	3.1	1, 890	331	SSE	6.8	8, 550	283	ESE	4.7
No. 835. Nov. 22, 1934; 3h 48m. Clouds: Few Ast E. Vis.: 9				801	24	SSW	5.4	2, 070	326	SE	6.5	8, 730	288	ESE	5.1
Surface	61	WSW	2.5	990	24	SSW	4.9	2, 250	319	SE	6.5	8, 910	285	ESE	4.7
216	301	ESE	1.8	1, 170	15	SSW	4.9	2, 430	323	SE	6.4	9, 090	284	ESE	5.0
414	319	SE	2.5	1, 350	350	S	5.4	2, 610	326	SE	6.3	9, 270	287	ESE	6.0
612	358	S	2.5	1, 530	334	SSE	6.7	2, 790	327	SSE	5.4	Disappearance: Bursting ?			
801	8	S	2.5	1, 710	329	SSE	7.0	2, 970	333	SSE	5.1	No. 840. Nov. 23, 1934; 20h 27m. Clouds: 1 Ci SE, 1 CiSt. SE. Vis.: 8			
990	41	SW	2.0	1, 890	330	SSE	7.2	3, 150	339	SSE	5.6	Surface	25	SSW	4.9
1, 170	35	SW	2.1	2, 070	333	SSE	6.7	3, 330	343	SSE	5.7	216	10	S	7.5
1, 350	10	S	2.7	2, 250	331	SSE	6.0	Disappearance: Poor visibility aloft.				414	5	S	7.5
1, 530	351	S	3.0	2, 430	326	SE	5.4					612	3	S	8.8
1, 710	339	SSE	4.3	2, 610	325	SE	5.0					801	0	S	9.7
				2, 790	333	SSE	4.1					990	352	S	9.8
				2, 970	338	SSE	3.5					1, 170	347	SSE	10.0
				3, 150	340	SSE	2.9					1, 350	345	SSE	9.8
				3, 330	340	SSE	2.5					1, 530	344	SSE	9.2
				3, 510	328	SSE	2.3					1, 710	346	SSE	8.5
				3, 690	321	SE	2.2								

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 840—Continued				No. 842—Continued				N. 845. Nov. 27, 1934; 8h 25m. Clouds: Few Ci NW, 1 StCu NNW. Vis.: 8				No. 849. Nov. 29, 1934; 9h 12m. Clouds: 5 CiSt E. 4 ASt E. Vis.: 8. 22° solar halo			
1,890	347	SSE	7.0	990	81	W	6.0	Surface	205	NNE	4.9	Surface	316	SE	4.9
2,070	348	SSE	5.4	1,170	76	WSW	5.5	216	181	N	8.0	216	301	ESE	10.1
2,250	359	S	5.5	1,350	85	W	5.4	414	173	N	8.5	414	297	ESE	11.7
2,430	359	S	5.1	1,530	94	W	5.9	612	178	N	7.4	612	299	ESE	9.7
2,610	355	S	4.5	1,710	89	W	6.1	801	176	N	6.7	801	301	ESE	9.0
2,790	341	SSE	3.2	1,890	84	W	6.3	990	172	N	8.7	990	304	SE	7.7
2,970	341	SSE	3.0	2,070	83	W	6.4	1,170	169	N	11.1	1,170	311	SE	8.1
3,150	354	S	3.8	2,250	88	W	6.2	1,350	168	NNW	12.5	1,350	313	SE	9.1
3,330	0	S	4.0	2,430	88	W	6.8	1,530	162	NNW	13.2	1,530	313	SE	9.4
3,510	358	S	4.1	2,610	83	W	7.8	1,710	157	NNW	14.3	1,710	313	SE	9.1
3,690	347	SSE	4.6	2,790	80	W	8.3	1,890	155	NNW	15.0	1,890	305	SE	7.7
3,870	343	SSE	4.5	2,970	73	WSW	8.7	Disappearance: Behind smokestack.				2,070	294	ESE	6.8
4,050	341	SSE	4.0	3,150	71	WSW	9.4	No. 846. Nov. 27, 1934; 9h 35m. Clouds: 4 StCu N, 4 St N. Vis.: 8				2,250	285	ESE	7.4
Disappearance: Insufficient light.				3,330	67	WSW	10.0	Surface	197	NNE	3.6	2,430	277	E	7.8
No. 841. Nov. 24, 1934; 11h 05m. Clouds: 3 StCu WSW. Vis.: 8. Heavy shower ice crystals. Parhelia				3,510	65	WSW	9.4	216	180	N	7.5	2,610	271	E	8.2
Surface	38	SW	3.6	3,690	68	WSW	8.3	414	183	N	8.4	2,790	268	E	8.5
216	60	WSW	4.0	3,870	73	WSW	7.8	612	181	N	8.7	2,970	270	E	8.7
414	92	W	4.3	4,050	79	W	7.9	801	175	N	9.5	3,150	273	E	9.2
612	90	W	5.2	4,230	80	W	8.8	990	173	N	10.3	3,330	270	E	9.0
801	82	W	4.5	4,410	78	WSW	9.7	Disappearance: Entered St, 990 m. Attempt was made to get a higher altitude than the previous one but clouds moved in very rapidly.				3,510	269	E	8.1
990	64	WSW	2.5	4,590	72	WSW	10.0	No. 847. Nov. 28, 1934; 8h 39m. Clouds: 10 ASt (NE?). Vis.: 6. Lt. drift				3,690	265	E	8.0
1,170	32	SSW	2.2	4,770	75	WSW	10.4	Surface	288	ESE	9.8	3,870	267	E	4.5
1,350	41	SW	3.0	4,950	77	WSW	10.5	216	275	E	12.8	4,050	275	E	4.0
1,530	40	SW	3.0	5,130	82	W	10.3	414	270	E	12.2	Disappearance: Entered ASt, 4,050 m.			
1,710	39	SW	3.4	5,310	83	W	10.0	612	265	E	8.5	No. 850. Nov. 29, 1934; 18h 55m. Clouds: 9 ASt ENE. Vis.: 8			
1,890	45	SW	3.9	Disappearance: Distance.				801	257	ENE	6.0	Surface	322	SE	6.7
2,070	51	SW	3.6	No. 843. Nov. 26, 1934; 17h 00m. Clouds: 1 Ci N, 4 StCu N. Vis.: 8				990	254	ENE	5.6	216	308	SE	7.2
2,250	60	WSW	3.9	Surface	188	N	7.6	1,170	252	ENE	5.1	414	300	ESE	9.3
2,430	74	WSW	4.2	216	170	N	11.0	1,350	249	ENE	4.8	612	303	ESE	7.2
2,610	75	WSW	5.1	414	162	NNW	12.5	Disappearance: Cut off by drifting snow.				801	300	ESE	6.0
2,790	65	WSW	6.5	612	162	NNW	14.3	No. 848. Nov. 28, 1934; 14h 20m. Clouds: 3 Ci NE, 3 ASt NE, 2 St E				990	280	E	4.0
2,970	60	WSW	7.8	801	164	NNW	13.9	Surface	285	ESE	9.4	1,170	263	E	3.1
3,150	62	WSW	8.3	990	167	NNW	13.2	216	284	ESE	13.8	1,350	262	E	3.6
3,330	67	WSW	9.3	1,170	170	N	12.9	414	279	E	13.0	1,530	266	E	4.9
3,510	70	WSW	10.1	1,350	164	NNW	13.8	612	279	E	10.1	1,710	267	E	5.0
3,690	70	WSW	10.2	1,530	164	NNW	13.8	801	285	ESE	6.5	1,890	269	E	5.3
3,870	72	WSW	11.2	1,710	169	N	12.7	990	310	SE	4.2	2,070	272	E	5.0
4,050	79	W	12.0	1,890	168	NNW	12.5	1,170	320	SE	4.1	2,250	265	E	4.9
4,230	73	WSW	12.8	Disappearance: Behind smoke- stack. Wind apparently from the N up to the cirrus level.				1,350	311	SE	4.2	2,430	257	ENE	5.3
4,410	67	WSW	12.7	No. 844. Nov. 26, 1934; 20h 42m. Clouds: 9 StCu NNE. Vis.: 8				1,530	303	ESE	5.2	2,520	251	ENE	5.5
4,590	70	WSW	12.4	Surface	167	NNW	6.7	1,710	296	ESE	6.1	Disappearance: Entered ASt, 2,520 m.			
4,770	75	WSW	12.2	216	163	NNW	9.9	1,890	287	ESE	6.5	No. 851. Nov. 30, 1934; 15h 38m. Clouds: 2 ASt NE, 7 St ESE. Vis.: 8			
4,950	75	WSW	12.9	414	160	NNW	10.0	2,070	289	ESE	7.7	Surface	305	SE	8.5
5,130	71	WSW	14.5	612	159	NNW	9.8	2,250	277	E	9.0	216	298	ESE	13.7
5,310	69	WSW	15.0	801	156	NNW	11.0	Disappearance: Entered St ?, 2,250 m.				414	290	ESE	12.6
5,490	70	WSW	14.8	990	154	NNW	13.6	Disappearance: Entered St, 612 m.				612	286	ESE	11.0
5,670	66	WSW	15.2	1,170	158	NNW	15.2								
5,850	64	WSW	15.6	1,350	161	NNW	15.9								
Disappearance: Cut off by StCu.				1,530	162	NNW	16.5								
No. 842. Nov. 24, 1934; 16h 20m. Clouds: Few ASt W, Few StCu W. Vis.: 9				1,710	165	NNW	15.3								
Surface	101	W	2.5	1,890	173	N	13.0								
216	86	W	4.8	2,070	189	N	13.0								
414	98	W	6.0	2,160	195	NNE	14.5								
612	92	W	6.9	Disappearance: Entered StCu, 2160m.											
801	85	W	6.6												

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 852. Dec. 1, 1934; 8h 34m. Clouds: 10 St NE. Vis.: 6															
Surface	243	ENE	8.1	No. 855—Continued				No. 858—Continued				No. 862. Dec. 5, 1934; 14h 00m. Clouds: 1 Ast SE			
216	233	NE	9.2	2,790	248	ENE	7.1	2,970	114	WNW	1.2	Surface	357	S	4.9
414	232	NE	9.5	2,970	260	E	7.2	3,150	135	NW	1.9	216	307	SE	4.0
612	236	NE	7.2	3,150	263	E	8.1	3,330	145	NW	2.4	414	308	SE	4.3
706	236	NE	7.7	Disappearance: Entered ACu, 3,150 m.				3,690	142	NW	4.5	612	317	SE	4.8
Disappearance: Entered St, 706 m.				No. 856. Dec. 2, 1934; 20h 08m. Clouds: 10 St SE. Vis.: 7				3,870	153	NNW	4.9	801	319	SE	4.0
No. 853. Dec. 1, 1934; 14h 20m. Clouds: 4 Ast NE, Few Cu ENE, 3 StCu ENE. Vis.: 8				Surface	352	S	2.7	4,050	165	NNW	5.5	990	334	SSE	1.9
Surface	269	E	6.7	16	331	SSE	4.0	4,230	174	N	7.1	1,170	349	S	1.3
216	261	E	9.1	414	316	SE	3.1	4,410	179	N	8.3	1,350	337	SSE	2.2
414	250	ENE	11.5	612	311	SE	2.8	4,590	178	N	9.2	1,530	348	SSE	2.8
513	245	ENE	11.1	Disappearance: Entered St, 612 m.				4,770	181	N	10.4	1,710	338	SSE	2.9
Disappearance: Entered StCu, 513 m.				No. 857. Dec. 3, 1934; 8h 07m. Clouds: 4 Ast NE. Vis.: 8. Ice crystals falling. 22° halo, parhelic circle and parhelia				4,950	183	N	10.9	1,890	336	SSE	2.6
No. 854. Dec. 2, 1934; 8h 15m. Clouds: 5 ACu ENE, 4 Ast ENE. Vis.: 8				Surface	40	SW	4.0	5,130	180	N	11.0	2,070	346	SSE	2.5
Surface	310	SE	2.7	216	39	SW	5.3	5,310	183	N	11.0	2,250	352	S	2.3
216	292	ESE	4.1	414	52	SW	3.5	5,490	187	N	11.4	2,430	352	S	2.0
414	292	ESE	3.3	612	57	WSW	2.7	5,670	189	N	12.5	2,610	345	SSE	2.0
612	288	ESE	2.5	801	42	SW	2.8	5,850	197	NNE	14.0	2,790	352	S	2.0
801	274	E	2.3	990	43	SW	2.3	6,030	198	NNE	15.1	2,970	9	S	2.7
990	257	ENE	2.5	1,170	39	SW	1.6	6,210	196	NNE	15.7	3,150	5	S	2.1
1,170	262	E	3.5	1,350	48	SW	1.3	6,390	197	NNE	16.3	3,330	288	ESE	1.5
1,350	267	E	4.7	1,530	53	SW	1.9	Disappearance: (?).				3,510	265	E	2.6
1,530	265	E	5.7	1,710	38	SW	2.0	No. 859. Dec. 4, 1934; 13h 05m. Clouds: 5 StCu ESE, 5 St ESE. Vis.: 8				3,690	274	E	3.2
1,710	266	E	6.0	1,890	18	SSW	1.8	Surface	297	ESE	3.6	3,870	274	E	3.7
1,890	263	E	5.7	2,070	32	SSW	1.8	216	290	ESE	4.0	4,050	268	E	3.9
2,070	253	ENE	5.6	2,250	46	SW	2.0	414	287	ESE	4.1	4,230	260	E	4.1
2,250	249	ENE	6.0	2,430	56	W	1.9	Disappearance: Entered StCu, 414 m.				4,410	253	ENE	5.1
2,430	249	ENE	6.3	2,610	1	SSW	1.5	No. 860. Dec. 4, 1934; 18h 42m. Clouds: 9 St ESE. Vis.: 6. Snowing				4,590	245	ENE	5.6
Disappearance: Entered Ast, 2,430 m.				2,790	352	SW	1.0	Surface	309	SE	3.3	4,770	248	ENE	6.2
No. 855. Dec. 2, 1934; 14h 05m. Clouds: 7 ACu E, Few Cu ESE. Vis.: 8				2,970	213	NWE	0.9	216	307	SE	4.9	4,950	252	ENE	7.5
Surface	285	ESE	4.0	3,150	202	NNE	1.5	414	300	ESE	4.8	5,130	247	ENE	7.9
216	289	ESE	4.3	3,330	213	NNE	1.2	612	302	ESE	3.8	5,310	245	ENE	8.0
414	281	E	3.1	3,510	224	NE	1.1	801	303	ESE	3.2	5,490	247	ENE	7.8
612	267	E	3.2	Disappearance: Lost.				990	294	ESE	3.4	5,670	241	ENE	8.0
801	275	E	3.0	Surface	38	SW	3.1	1,170	285	ESE	3.2	5,850	239	ENE	7.8
990	285	ESE	1.5	216	40	SW	3.7	1,350	293	ESE	3.3	6,030	241	ENE	7.2
1,170	246	ENE	0.6	414	65	WSW	3.3	1,530	306	SE	4.3	6,210	239	ENE	6.5
1,350	221	NE	0.5	612	67	WSW	3.0	1,710	309	SE	4.2	6,390	233	NE	5.5
1,530	223	NE	3.2	801	50	SW	2.2	Disappearance: Cut off by St.				6,570	232	NE	5.3
1,710	215	NE	3.2	990	58	WSW	1.8	No. 861. Dec. 5, 1934; 9h 02m. Clouds: 10 StCu SSW. Vis.: 8				6,750	237	ENE	5.8
1,890	209	NNE	4.0	1,170	73	WSW	2.3	Surface	3	S	2.9	6,930	238	ENE	6.7
2,070	213	NNE	4.1	1,350	75	WSW	2.5	216	27	SSW	2.2	7,110	233	NE	6.8
2,250	225	NE	3.9	1,530	77	WSW	2.4	414	24	SSW	3.2	7,290	229	NE	6.8
2,430	235	NE	4.2	1,710	87	W	2.4	612	9	S	3.1	Disappearance: Abandoned. Ice crystals falling. Circum- zenithal arc, upper tangent arc and parhelia of 22° halo.			
2,610	240	ENE	6.1	1,890	97	W	2.3	801	7	S	3.2	No. 863. Dec. 5, 1934; 18h 36m. Clouds: 10 StCu SW. Vis.: 8			
				2,070	93	W	2.0	990	8	S	3.6	Surface	16	SSW	4.0
				2,250	79	W	2.1	1,170	12	SSW	3.0	216	30	SSW	5.3
				2,430	78	WSW	2.2	1,350	16	SSW	2.5	414	38	SW	6.1
				2,610	73	WSW	2.7	1,440	14	SSW	2.4	612	42	SW	6.5
				2,790	77	WSW	1.2	Disappearance: Entered StCu, 1,440 m.				801	50	SW	4.9
												990	53	SW	4.1
												Disappearance: Entered StCu, 990 m.			
												No. 864. Dec. 6, 1934; 9h 08m. Clouds: 10 St. WSW. Lt. fog. Vis.: 6. Occasional snow flakes			
												Surface	108	WNW	2.0
												216	90	W	3.5
												414	74	WSW	5.6

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 864—Continued				No. 867—Continued				No. 869. Dec. 7, 1934; 18h 40m. Clouds: 0. Vis. 8. Heavy shower of ice crystals falling. Sun pillar; hazy around horizon.				No. 870—Continued			
612	70	WSW	7.9	4,410	277	E	5.4	Surface	24	SSW	7.2	3,870	329	SSE	6.7
801	69	WSW	8.5	4,590	279	E	5.5	216	6	S	9.2	4,050	329	SSE	6.8
990	62	WSW	7.5	4,770	283	ESE	5.3	414	351	S	8.5	4,230	329	SSE	7.0
1,080	58	WSW	7.0	4,950	281	E	5.7	612	346	SSE	8.3	4,410	323	SE	6.8
Disappearance: Entered St, 1,080 m.				5,130	288	ESE	5.6	801	351	S	7.8	4,590	324	SE	7.5
No. 865. Dec. 6, 1934; 13h 35m. Clouds: 10 St W. Vis.: 7				5,310	294	ESE	5.2	990	354	S	7.0	4,770	324	SE	7.6
Surface	88	W	1.3	5,490	293	ESE	5.6	1,170	333	SSE	5.5	4,950	324	SE	7.8
216	92	W	2.3	5,670	298	ESE	5.5	1,350	311	SE	5.8	5,130	330	SSE	9.5
414	68	WSW	3.9	5,850	299	ESE	5.4	1,530	314	SE	6.2	5,490	329	SSE	11.0
612	60	WSW	5.5	6,030	300	ESE	5.9	1,710	322	SE	6.6	5,670	321	SE	10.3
801	67	WSW	5.8	6,210	301	ESE	6.5	1,890	324	SE	6.9	5,850	318	SE	9.1
990	70	WSW	5.0	6,390	301	ESE	7.5	2,070	326	SE	6.6	6,030	313	SE	9.5
1,170	75	WSW	4.7	6,570	301	ESE	7.6	2,250	327	SSE	6.5	6,210	314	SE	9.1
1,350	82	W	5.0	6,750	299	ESE	6.3	2,430	323	SE	6.7	6,390	312	SE	9.4
1,530	85	W	5.0	6,930	298	ESE	6.1	2,610	324	SE	7.1	6,570	309	SE	9.2
Disappearance: Entered St, 1,530 m.				7,110	298	ESE	6.2	2,790	324	SE	7.2	6,750	312	SE	8.7
No. 866. Dec. 6, 1934; 19h 52m. Clouds: 10 St W. Vis.: 7				7,290	299	ESE	5.8	2,970	318	SE	7.0	6,930	312	SE	8.2
Surface	270	E	3.4	7,470	300	ESE	5.7	3,150	309	SE	6.7	Disappearance: Distance.			
216	251	ENE	3.3	7,650	299	ESE	7.5	3,330	304	SE	7.5	No. 871. Dec. 8, 1934; 9h 20m. Clouds: Few St S. Vis.: 9			
414	230	NE	2.0	7,830	294	ESE	6.7	3,510	299	ESE	8.0	Surface	8	S	2.7
612	196	NNE	1.5	8,010	291	ESE	6.8	3,690	301	ESE	7.5	216	342	SSE	2.4
801	145	NW	1.2	8,190	293	ESE	6.3	3,870	307	SE	7.9	414	349	S	4.2
990	96	W	1.0	8,370	299	ESE	6.5	4,050	309	SE	8.5	612	348	SSE	6.3
1,170	81	W	0.6	8,550	297	ESE	5.3	4,230	312	SE	8.4	801	348	SSE	6.7
Disappearance: Entered St, 1,170 m.				8,730	296	ESE	5.3	4,410	314	SE	8.5	990	0	S	6.5
No. 867. Dec. 7, 1934; 8h 08m. Clouds: Few Ci ESE, Few St SSE. Vis.: 9				8,910	296	ESE	5.8	4,590	312	SE	8.4	1,170	353	S	6.7
Surface	71	WSW	1.3	9,090	298	ESE	5.3	4,770	309	SE	8.3	1,350	339	SSE	6.8
216	15	SSW	6.7	9,270	299	ESE	5.0	4,950	307	SE	8.3	1,530	341	SSE	7.8
414	4	S	9.4	9,450	293	ESE	5.0	5,130	303	ESE	7.4	1,710	344	SSE	7.3
612	5	S	9.8	9,630	285	ESE	5.0	5,310	303	ESE	7.4	1,890	349	S	7.5
801	359	S	9.0	9,810	281	E	5.0	5,490	305	SE	7.8	2,070	356	S	9.0
990	350	S	6.6	Disappearance: Distance.				5,670	307	SE	8.3	2,250	352	S	8.7
1,170	336	SSE	4.2	Surface	7	S	8.5	6,030	298	ESE	8.5	2,430	350	S	9.2
1,350	324	SE	3.8	216	3	S	12.3	6,210	294	ESE	8.5	2,610	350	S	9.3
1,530	312	SE	4.1	414	1	S	12.0	6,390	301	ESE	9.0	2,790	346	SSE	8.6
1,710	303	ESE	5.3	612	352	S	9.0	6,570	302	ESE	8.8	2,970	340	SSE	8.4
1,890	297	ESE	5.6	801	340	SSE	6.8	6,750	302	ESE	8.2	3,150	340	SSE	8.0
2,070	298	ESE	6.3	990	337	SSE	6.0	No. 870. Dec. 7, 1934; 23h 58m. Clouds: 0. Vis. 8				3,330	341	SSE	7.5
2,250	291	ESE	7.5	1,170	348	SSE	6.3	Surface	27	SSW	1.8	3,510	343	SSE	8.3
2,430	282	ESE	7.6	1,350	348	SSE	7.8	216	10	S	6.2	3,690	343	SSE	8.5
2,610	278	E	7.3	1,530	335	SSE	7.3	414	1	S	6.3	3,870	338	SSE	8.7
2,790	273	E	8.0	1,710	318	SE	5.8	612	355	S	5.9	4,050	336	SSE	7.7
2,970	269	E	8.6	1,890	311	SE	5.4	801	359	S	5.7	4,230	335	SSE	7.0
3,150	265	E	9.5	2,070	301	ESE	5.5	990	355	S	6.1	4,410	338	SSE	8.6
3,330	265	E	10.1	2,250	296	ESE	5.7	1,170	357	S	6.7	4,590	340	SSE	8.3
3,510	264	E	9.5	2,430	304	SE	5.8	1,350	1	S	7.2	4,770	343	SSE	8.0
3,690	262	E	9.1	2,610	306	SE	5.8	1,530	0	S	7.5	4,950	348	SSE	9.1
3,870	265	E	8.3	2,790	304	SE	5.9	1,710	357	S	8.3	5,130	349	S	10.0
4,050	266	E	7.0	2,970	310	SE	6.1	1,890	354	S	8.6	5,310	349	S	10.8
4,230	271	E	5.7	3,150	319	SE	7.5	2,070	348	SSE	7.4	5,490	349	S	10.7
Disappearance: Bursting.				3,330	320	SE	9.0	2,250	348	SSE	6.8	5,670	349	S	11.0
				3,510	316	SE	8.5	2,430	345	SSE	7.4	5,850	346	SSE	11.0
				3,690	308	SE	6.9	2,610	335	SSE	7.6	6,030	343	SSE	11.4
				3,870	308	SE	5.7	2,790	327	SSE	7.8	6,210	342	SSE	10.2
				4,050	321	SE	5.2	2,970	325	SE	8.3	6,390	341	SSE	10.5
				4,230	319	SE	5.2	3,150	326	SE	8.8	6,570	338	SSE	12.0
				4,410	307	SE	6.2	3,330	327	SSE	8.4	6,750	336	SSE	12.5
				4,590	301	ESE	7.5	3,510	327	SSE	7.0	6,930	336	SSE	12.0
				4,770	301	ESE	7.8	3,690	329	SSE	6.8	Disappearance: Distance.			
				4,950	299	ESE	7.8								
				5,130	299	ESE	8.0								
				5,310	297	ESE	6.5								
				5,490	294	ESE	5.4								
				5,670	300	ESE	5.0								

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 872. Dec. 8, 1934; 15h 05m. Clouds: Few AST SSW. Vis.: 9				No. 873—Continued				No. 874—Continued				No. 877. Dec. 10, 1934; 21h 16m. Clouds: Few AST E, 2 StCu E. Vis.: 9			
Surface	15	SSW	3.6	2,430	338	SSE	8.7	7,830	14	SSW	6.0	Surface	272	E	5.8
216	15	SSW	5.8	2,610	331	SSE	7.4	8,010	359	S	6.6	216	280	E	4.7
414	22	SSW	5.5	2,790	332	SSE	7.8	8,190	354	S	7.0	414	293	ESE	2.3
612	25	SSW	4.7	2,970	333	SSE	7.5	8,370	354	S	6.4	612	255	ENE	0.9
801	16	SSW	5.4	3,150	333	SSE	7.1	8,550	4	S	7.0	801	235	NE	2.3
990	25	SSW	6.5	3,330	328	SSE	7.3	8,730	7	S	8.0	990	230	NE	5.3
1,170	35	SW	7.1	3,510	324	SE	6.8	Disappearance: Bursting.				1,170	224	NE	6.9
1,350	31	SSW	7.0	3,690	324	SE	6.0	No. 875. Dec. 9, 1934; 16h 04m. Clouds: 1 AST SE. Vis.: 9				1,350	218	NE	7.7
1,530	29	SSW	7.3	3,870	331	SSE	5.0	Surface	310	SE	2.2	1,530	218	NE	7.0
1,710	31	SSW	7.6	4,050	340	SSE	4.5	216	308	SE	3.8	1,710	225	NE	7.0
1,890	31	SSW	7.9	4,230	346	SSE	4.5	414	323	SE	6.6	1,890	232	NE	6.2
2,070	36	SW	7.9	4,410	355	S	4.0	612	334	SSE	7.7	2,070	239	ENE	4.8
2,250	38	SW	8.2	4,590	0	S	4.5	801	328	SSE	7.3	2,250	251	ENE	5.2
2,430	37	SW	9.0	4,770	1	S	4.2	990	326	SE	7.8	2,430	258	ENE	5.5
2,610	32	SSW	9.3	4,950	6	S	3.8	1,170	328	SSE	8.5	2,610	260	E	5.0
2,790	30	SSW	9.1	5,130	16	SSW	4.5	1,350	328	SSE	8.9	2,790	266	E	4.3
2,970	30	SSW	9.8	5,310	21	SSW	5.8	1,530	326	SE	9.0	2,970	267	E	4.0
3,150	30	SSW	10.4	5,490	26	SSW	6.6	1,710	324	SE	9.0	3,150	273	E	4.3
3,330	36	SW	9.8	5,670	44	SW	7.3	1,890	325	SE	8.6	3,330	271	E	4.0
3,510	40	SW	9.6	5,850	51	SW	9.2	2,070	330	SSE	8.6	3,510	254	ENE	3.4
3,690	39	SW	9.9	6,030	45	SW	10.4	2,250	334	SSE	9.0	3,690	256	ENE	3.4
3,870	30	SSW	9.7	6,210	44	SW	10.5	2,430	330	SSE	8.7	3,870	272	E	3.2
4,050	22	SSW	9.4	Disappearance: Abandoned.				2,610	324	SE	8.0	4,050	292	ESE	3.2
4,230	21	SSW	9.0	No. 874. Dec. 9, 1934; 9h 22m. Clouds: Few St SSE.				2,790	329	SSE	7.0	4,230	295	ESE	4.1
4,410	20	SSW	9.0	Surface	12	SSW	2.7	2,970	334	SSE	6.9	4,410	302	ESE	5.3
4,590	18	SSW	9.0	216	0	S	0.8	3,150	332	SSE	8.2	4,590	307	SE	5.8
4,770	18	SSW	9.1	414	312	SE	2.0	3,330	329	SSE	8.5	4,770	308	SE	5.5
4,950	17	SSW	9.3	612	340	SSE	3.8	3,510	331	SSE	7.5	4,950	313	SE	5.7
5,130	20	SSW	9.9	801	347	SSE	5.5	3,690	335	SSE	6.7	5,130	311	SE	6.0
5,310	24	SSW	10.5	990	345	SSE	7.8	3,870	330	SSE	6.6	5,310	308	SE	6.0
5,490	22	SSW	10.7	1,170	346	SSE	7.7	4,050	326	SE	7.1	5,490	305	SE	7.0
5,670	20	SSW	11.0	1,350	344	SSE	7.4	4,230	325	SE	6.5	5,670	303	ESE	7.4
5,850	20	SSW	12.8	1,530	348	SSE	7.5	4,410	333	SSE	6.6	5,850	303	ESE	7.9
6,030	18	SSW	14.0	1,710	345	SSE	7.5	4,590	332	SSE	7.5	6,030	305	SE	9.0
6,210	20	SSW	13.5	1,890	346	SSE	7.8	4,770	324	SE	7.0	6,210	307	SE	9.5
6,390	21	SSW	14.8	2,070	347	SSE	8.0	4,950	319	SE	6.6	6,390	305	SE	10.2
6,570	21	SSW	16.0	2,250	346	SSE	8.3	5,130	321	SE	6.4	6,570	303	ESE	10.6
6,750	21	SSW	16.4	2,430	344	SSE	8.3	5,310	324	SE	6.8	6,750	305	SE	11.0
6,930	20	SSW	14.8	2,610	345	SSE	8.0	5,490	324	SE	7.5	6,930	307	SE	11.1
7,110	24	SSW	15.0	2,790	347	SSE	8.1	5,670	314	SE	7.5	7,110	307	SE	11.8
7,290	22	SSW	15.2	2,970	352	S	8.8	5,850	303	ESE	6.6	7,290	308	SE	12.0
7,470	22	SSW	13.0	3,150	354	S	9.0	6,030	305	SE	6.5	Disappearance: Bursting (?).			
7,650	23	SSW	13.6	3,330	353	S	9.3	6,210	308	SE	5.8	No. 878. Dec. 11, 1934; 8h 06m. Clouds: Few AST ESE. Vis.: 9			
7,830	24	SSW	15.1	3,510	356	S	9.9	6,390	313	SE	5.6	Surface	10	S	1.1
8,010	25	SSW	14.0	3,690	357	S	10.4	6,570	327	SSE	5.8	216	319	SE	0.6
8,190	19	SSW	13.0	3,870	359	S	10.4	6,750	328	SSE	5.8	414	299	ESE	1.6
8,370	16	SSW	11.6	4,050	1	S	10.3	6,930	325	SE	5.1	612	296	ESE	3.4
8,550	17	SSW	9.6	4,230	0	S	10.3	7,110	324	SE	4.3	801	287	ESE	3.0
Disappearance: Distance. AST are in streamer and lenticular forma.				4,410	358	S	9.6	7,290	324	SE	4.0	990	280	E	2.7
No. 873. Dec. 8, 1934; 21h 09m. Clouds: Few St SSE. Vis.: 9				4,590	359	S	8.0	Disappearance: Distance.				1,170	281	E	2.9
Surface	263	E	3.6	4,770	5	S	7.5	No. 876. Dec. 10, 1934; 14h 00m. Clouds: 10 St NE. Vis.: 7				1,350	282	ESE	3.5
216	272	E	4.5	4,950	1	S	8.0	Surface	282	ESE	7.2	1,530	283	ESE	3.8
414	342	SSE	4.3	5,130	358	S	7.5	216	254	ENE	7.6	1,710	290	ESE	4.1
612	345	SSE	7.5	5,310	354	S	7.3	414	227	NE	6.5	1,890	294	ESE	4.5
801	351	S	7.7	5,490	352	S	7.7	612	214	NE	5.2	2,070	292	ESE	4.5
990	350	S	7.8	5,670	358	S	7.5	801	214	NE	4.7	2,250	289	ESE	4.5
1,170	356	S	7.9	5,850	4	S	7.5	Disappearance: Entered St, 801 m. Low stratus, snow, and poor visibility since last night.				2,430	295	ESE	4.6
1,350	357	S	7.8	6,030	5	S	7.0					2,610	295	ESE	4.7
1,530	1	S	8.2	6,210	1	S	7.0					2,790	282	ESE	4.1
1,710	2	S	8.1	6,390	359	S	6.5					2,970	273	E	3.5
1,890	354	S	7.3	6,570	3	S	5.5					3,150	268	E	3.0
2,070	348	SSE	7.6	6,750	6	S	6.8					3,330	261	E	2.0
2,250	346	SSE	8.9	6,930	8	S	7.5					3,510	271	E	1.5
				7,110	12	SSW	7.7								
				7,290	17	SSW	8.0								
				7,470	1	S	7.6								
				7,650	17	SSW	6.4								

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 878—Continued				No. 879—Continued				No. 881—Continued				No. 883—Continued			
3,690	271	E	1.8	7,650	294	ESE	10.5	2,610	333	SSE	4.9	2,610	317	SE	5.1
3,870	269	E	1.7	7,830	291	ESE	9.9	2,790	321	SE	5.3	2,790	317	SE	5.2
4,050	272	E	2.0	8,010	291	ESE	8.2	2,970	317	SE	5.5	2,970	320	SE	5.5
4,230	275	E	2.5	8,190	295	ESE	7.5	3,150	314	SE	5.4	3,150	323	SE	5.9
4,410	278	E	3.5	8,370	299	ESE	7.2	3,330	313	SE	5.4	3,330	326	SE	6.2
4,590	281	E	4.0	Disappearance: Bursting (?).				3,510	313	SE	5.0	3,510	329	SSE	6.5
4,770	266	E	4.5	No. 880. Dec. 11, 1934; 16h				3,690	313	SE	4.7	3,690	333	SSE	6.2
4,950	262	E	4.7	58m. Clouds: Few Ast SE.				3,870	313	SE	5.5	3,870	331	SSE	6.0
5,130	273	E	4.9	Vis.: 9				4,050	304	SE	6.3	4,050	324	SE	6.1
5,310	272	E	5.5	Surface 15 SSW 6.7				4,230	300	ESE	7.0	4,230	323	SE	6.0
5,490	272	E	6.1	216	357	S	7.3	4,410	301	ESE	7.8	Disappearance: Entered Ast,			
5,670	279	E	8.1	414	351	S	5.0	4,590	303	ESE	8.0	4,230 m.			
5,850	267	E	10.2	612	2	S	5.0	Disappearance: Background.				No. 884. Dec. 12, 1934; 18h			
6,030	268	E	12.5	801	4	S	4.3	No. 882. Dec. 12, 1934; 3h				25m. Clouds: 9 ACu SSE.			
6,210	268	E	13.7	990	348	SSE	4.1	00m. Clouds: 3 Ci SE, 2 Ast				Vis.: 8			
6,390	269	E	13.9	1,170	356	S	4.5	SE. Vis.: 9				Surface 355 S 1.5			
6,570	269	E	13.5	1,350	334	SSE	5.2	216	345	SSE	2.0	216	290	ESE	2.6
6,750	268	E	12.5	1,530	332	SSE	5.0	414	326	SE	3.1	414	303	ESE	2.5
6,930	271	E	11.6	1,710	334	SSE	4.7	612	325	SE	5.3	612	325	SE	2.6
7,110	276	E	11.5	1,890	334	SSE	4.3	801	330	SSE	7.2	801	325	SE	2.9
7,290	279	E	11.8	2,070	325	SE	3.8	990	328	SSE	7.2	990	328	SSE	4.3
Disappearance: Bursting (?).				2,250	315	SE	3.5	1,170	327	SSE	6.2	1,170	325	SE	5.7
No. 879. Dec. 11, 1934; 13h				2,430	311	SE	3.6	1,350	328	SSE	6.0	1,350	321	SE	5.6
03m. Clouds: Few Ast ESE.				2,610	315	SE	3.6	1,530	328	SSE	6.1	1,530	319	SE	5.0
Vis.: 9				2,790	318	SE	3.8	1,710	327	SSE	6.5	1,710	318	SE	4.5
Surface	3	S	1.3	2,970	319	SE	4.0	1,890	327	SSE	6.1	1,890	318	SE	4.2
216	15	SSW	2.8	3,150	314	SE	4.2	2,070	325	SE	5.6	2,070	318	SE	4.2
414	30	SSW	1.7	3,330	305	SE	4.2	2,250	325	SE	5.3	2,250	318	SE	4.5
612	1	S	1.5	3,510	304	SE	4.3	2,430	326	SE	5.1	2,430	322	SE	4.8
801	336	SSE	2.2	3,690	309	SE	4.9	2,610	324	SE	5.0	2,610	325	SE	5.0
990	326	SE	3.4	3,870	309	SE	4.9	2,790	321	SE	5.5	2,790	329	SSE	5.0
1,170	326	SE	4.4	4,050	313	SE	4.6	2,970	312	SE	6.0	Disappearance: Entered ACu,			
1,350	330	SSE	4.8	4,230	320	SE	5.1	3,150	312	SE	5.6	2,790 m.			
1,530	330	SSE	5.2	4,410	316	SE	5.9	3,330	314	SE	5.8	No. 885. Dec. 13, 1934; 8h 30m.			
1,710	330	SSE	5.5	4,590	307	SE	6.7	3,510	313	SE	6.1	Clouds: 1 Ast SE, Few St			
1,890	323	SE	5.5	4,770	302	ESE	8.2	3,690	310	SE	6.4	SE. Vis.: 8			
2,070	317	SE	4.7	4,950	298	ESE	9.9	3,870	307	SE	6.5	Surface	284	ESE	2.2
2,250	311	SE	4.0	5,130	298	ESE	10.8	4,050	308	SE	7.0	216	300	ESE	4.7
2,430	309	SE	3.5	5,310	297	ESE	10.8	4,230	307	SE	7.7	414	311	SE	4.5
2,610	299	ESE	3.3	5,490	296	ESE	11.5	4,410	306	SE	7.8	612	325	SE	3.5
2,790	293	ESE	3.0	5,670	298	ESE	12.0	Disappearance: Bursting.				801	319	SE	3.3
2,970	290	ESE	2.8	5,850	294	ESE	11.1	No. 883. Dec. 12, 1934; 12h				990	316	SE	3.3
3,150	295	ESE	2.5	6,030	292	ESE	11.5	31m. Clouds: 2 Ci SE, 5 Ast				1,170	325	SE	3.4
3,330	297	ESE	3.7	6,210	294	ESE	12.0	SE. Vis.: 8				1,350	330	SSE	3.5
3,510	293	ESE	3.3	Disappearance: Abandoned.				Surface	297	ESE	2.4	1,530	333	SSE	4.0
3,690	293	ESE	3.5	No. 881. Dec. 11, 1934; 22h				216	305	SE	2.7	1,710	333	SSE	4.5
3,870	292	ESE	3.5	25m. Clouds: 1 Ci SE, Few				414	321	SE	3.3	1,890	327	SSE	4.7
4,050	296	ESE	3.2	ACu SE. Vis.: 9				612	324	SE	4.1	2,070	323	SE	4.8
4,230	299	ESE	3.5	Surface	4	S	3.6	801	324	SE	3.9	2,250	325	SE	5.3
4,410	295	ESE	4.1	216	329	SSE	4.0	990	324	SE	4.1	2,430	319	SE	6.5
4,590	288	ESE	4.5	414	329	SSE	3.3	1,170	322	SE	4.7	2,610	315	SE	7.4
4,770	291	ESE	5.5	612	327	SSE	3.5	1,350	322	SE	5.3	2,790	314	SE	7.7
4,950	293	ESE	6.3	801	322	SE	3.8	1,530	320	SE	5.2	2,970	315	SE	7.8
5,130	296	ESE	6.8	990	338	SSE	3.1	1,710	315	SE	5.3	3,150	319	SE	7.7
5,310	299	ESE	7.6	1,170	337	SSE	3.5	1,890	312	SE	5.5	3,330	317	SE	7.4
5,490	298	ESE	8.5	1,350	333	SSE	4.6	2,070	313	SE	5.3	3,510	314	SE	7.2
5,670	295	ESE	8.6	1,530	334	SSE	4.9	2,250	313	SE	5.3	3,690	315	SE	7.1
5,850	293	ESE	9.0	1,710	332	SSE	5.0	2,430	313	SE	5.3	3,870	311	SE	7.2
6,030	292	ESE	10.1	1,890	327	SSE	5.3	Disappearance: Bursting.				4,050	307	SE	7.2
6,210	291	ESE	10.7	2,070	328	SSE	5.3	No. 881. Dec. 11, 1934; 22h				4,230	318	SE	7.4
6,390	291	ESE	11.3	2,250	333	SSE	5.3	25m. Clouds: 1 Ci SE, Few				4,410	309	SE	8.2
6,570	290	ESE	11.1	2,430	330	SSE	5.0	ACu SE. Vis.: 9				4,590	308	SE	8.7
6,750	292	ESE	11.5	Surface 4 S 3.6				No. 883. Dec. 12, 1934; 12h							
6,930	292	ESE	11.4	216	329	SSE	4.0	31m. Clouds: 2 Ci SE, 5 Ast							
7,110	292	ESE	11.0	414	329	SSE	3.3	SE. Vis.: 8							
7,290	294	ESE	10.8	612	327	SSE	3.5	Surface 297 ESE 2.4							
7,470	294	ESE	10.5	801	322	SE	3.8	216 305 SE 2.7							
				990	338	SSE	3.1	414 321 SE 3.3							
				1,170	337	SSE	3.5	612 324 SE 4.1							
				1,350	333	SSE	4.6	801 324 SE 3.9							
				1,530	334	SSE	4.9	990 324 SE 4.1							
				1,710	332	SSE	5.0	1,170 322 SE 4.7							
				1,890	327	SSE	5.3	1,350 322 SE 5.3							
				2,070	328	SSE	5.3	1,530 320 SE 5.2							
				2,250	333	SSE	5.3	1,710 315 SE 5.3							
				2,430	330	SSE	5.0	1,890 312 SE 5.5							
								2,070 313 SE 5.3							
								2,250 313 SE 5.3							
								2,430 315 SE 5.4							

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 885—Continued			
4,770	310	SE	8.7
4,950	315	SE	9.0
5,130	316	SE	10.1
5,310	313	SE	11.6
5,490	312	SE	12.7
5,670	312	SE	13.5
5,850	309	SE	13.5
6,030	307	SE	13.3
6,210	306	SE	14.2
6,390	310	SE	15.3
6,570	308	SE	15.3
6,750	311	SE	16.0
6,930	314	SE	17.0
Disappearance: Distance.			
No. 886. Dec. 13, 1934; 13h 20m. Clouds: 2 StCu SE Vis.: 9			
Surface	300	ESE	1.8
216	311	SE	4.2
414	323	SE	6.0
612	330	SSE	7.9
801	330	SSE	6.3
990	330	SSE	3.8
1,170	328	SSE	3.2
1,350	321	SE	3.3
1,530	310	SE	3.5
1,710	305	SE	4.0
1,890	301	ESE	3.4
2,070	297	ESE	3.0
2,250	306	SE	4.0
2,430	310	SE	5.2
2,610	310	SE	5.5
2,790	316	SE	6.3
2,970	313	SE	6.9
3,150	304	SE	6.0
3,330	298	ESE	5.8
3,510	303	ESE	6.3
3,690	310	SE	7.0
3,870	317	SE	7.3
4,050	317	SE	7.8
4,230	316	SE	8.1
4,410	318	SE	8.2
4,590	318	SE	8.9
4,770	315	SE	9.6
4,950	312	SE	11.0
5,130	312	SE	12.0
Disappearance: Cut off by StCu.			
No. 887. Dec. 13, 1934; 20h 25m. Clouds: 1 StCu S. Vis.: 9			
Surface	251	ENE	1.5
216	338	ENE	3.2
414	351	S	6.3
612	2	S	8.5
801	5	S	9.0
990	358	S	6.0
1,170	341	SSE	2.4
1,350	307	SE	1.0
1,530	285	ESE	0.8
1,710	272	E	1.5
1,890	271	E	2.3

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 887—Continued			
2,070	272	E	2.9
2,250	275	E	3.6
2,430	278	E	4.1
2,610	273	E	4.2
2,790	272	E	4.5
2,970	270	E	4.8
3,150	276	E	5.5
3,330	282	ESE	6.0
3,510	289	ESE	6.2
3,690	298	ESE	6.7
3,870	304	SE	7.0
4,050	310	SE	7.8
4,230	308	SE	8.5
4,410	305	SE	9.4
4,590	309	SE	9.5
4,770	313	SE	9.5
4,950	315	SE	10.5
5,130	316	SE	10.9
5,310	315	SE	10.7
5,490	315	SE	12.3
5,670	316	SE	12.7
5,850	316	SE	12.7
6,030	314	SE	13.3
6,210	312	SE	13.4
Disappearance Abandoned.			
No. 888. Dec. 14, 1934; 11h 48m. Clouds: 8 St SSW. Lt. fog. Vis.: 4. Heavy shower of ice crystals; lt. snow			
Surface	25	SSW	5.8
216	19	SSW	8.7
414	20	SSW	11.4
612	24	SSW	12.0
801	24	SSW	11.1
990	21	SSW	8.3
1,170	21	SSW	5.2
1,350	29	SSW	4.0
1,530	31	SSW	4.3
1,710	28	SSW	4.7
1,890	19	SSW	4.9
2,070	22	SSW	4.8
2,250	32	SSW	4.9
Disappearance: Cut off by St.			
No. 889. Dec. 14, 1934; 16h 57m. Clouds: St SSW. Lt. fog. Vis.: 5. Lt. snow. Heavy shower: large ice crys- tals; parhelia of 22°			
Surface	36	SW	5.4
216	21	SSW	7.9
414	17	SSW	9.7
612	24	SSW	12.6
801	27	SSW	12.1
990	29	SSW	8.7
1,170	29	SSW	6.1
1,350	21	SSW	5.8
1,530	21	SSW	5.8
1,710	25	SSW	5.9
1,890	26	SSW	6.1
2,070	21	SSW	6.2
2,250	15	SSW	5.4
2,430	5	S	4.5

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 889—Continued			
2,610	4	S	4.8
2,790	2	S	5.7
2,970	1	S	6.5
3,150	359	S	5.7
3,330	357	S	4.7
3,510	357	S	6.0
3,690	352	S	7.2
3,870	349	S	8.5
4,050	350	S	9.0
4,230	352	S	9.5
4,410	352	S	10.0
Disappearance: Cut off by St.			
No. 890. Dec. 15, 1934; 12h 28m. Clouds: Few St S. Vis.: 8. Shower of ice crys- tals			
Surface	357	S	2.2
216	27	SSW	3.0
414	10	S	4.3
612	352	S	5.8
801	352	S	6.5
990	357	S	6.3
1,170	353	S	6.1
1,350	347	SSE	6.6
1,530	344	SSE	6.8
1,710	336	SSE	7.2
1,890	335	SSE	8.1
2,070	340	SSE	8.3
2,250	339	SSE	8.5
2,430	337	SSE	8.6
2,610	338	SSE	9.0
2,790	338	SSE	10.1
2,970	335	SSE	11.0
3,150	333	SSE	10.6
3,330	335	SSE	10.6
3,510	338	SSE	10.8
3,690	343	SSE	10.8
3,870	352	S	9.8
4,050	359	S	11.0
4,230	358	S	10.5
4,410	357	S	10.0
4,590	359	S	9.0
Disappearance: Bursting.			
No. 891. Dec. 15, 1934; 16h 54m. Clouds: 0. Vis.: 9			
Surface	32	SSW	1.8
216	20	SSW	4.7
414	12	SSW	5.0
612	10	S	4.5
801	6	S	4.3
990	358	S	4.0
1,170	5	S	4.2
1,350	11	S	4.9
1,530	6	S	5.0
1,710	1	S	5.5
1,890	358	S	5.9
2,070	358	S	5.7
2,250	2	S	6.0
2,430	3	S	7.0
2,610	0	S	8.0
2,790	356	S	8.5
2,970	357	S	8.7

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 891—Continued			
3,150	359	S	8.9
3,330	1	S	9.0
3,510	0	S	9.8
3,690	359	S	10.3
3,870	2	S	10.4
4,050	5	S	10.0
4,230	8	S	9.7
4,410	13	SSW	9.5
4,590	11	S	9.8
4,770	9	S	10.5
4,950	12	SSW	9.8
5,130	13	SSW	9.7
5,310	12	SSW	11.1
5,490	13	SSW	11.5
5,670	18	SSW	12.0
5,850	18	SSW	12.5
6,030	18	SSW	12.7
6,210	18	SSW	14.0
6,390	18	SSW	13.0
6,570	21	SSW	12.5
6,750	23	SSW	12.9
6,930	27	SSW	13.4
7,110	24	SSW	14.6
7,290	21	SSW	14.6
Disappearance: Distance.			
No. 892. Dec. 16, 1934; 0h 15m. Clouds: 0. Vis.: 9			
Surface	43	SW	1.1
216	64	WSW	3.8
414	81	W	4.0
612	67	WSW	3.2
801	56	SW	2.6
990	54	SW	2.6
1,170	54	SW	3.0
1,350	53	SW	3.5
1,530	60	WSW	4.0
1,710	63	WSW	4.5
1,890	50	SW	5.5
2,070	40	SW	6.0
2,250	37	SW	6.4
2,430	40	SW	6.6
2,610	35	SW	6.7
2,790	32	SSW	7.1
2,970	31	SSW	7.5
3,150	29	SSW	7.9
3,330	30	SSW	8.2
3,510	30	SSW	8.3
3,690	28	SSW	7.7
3,870	29	SSW	7.3
4,050	28	SSW	7.6
4,230	28	SSW	8.1
4,410	28	SSW	8.1
4,590	28	SSW	8.5
4,770	26	SSW	8.4
4,950	25	SSW	7.5
5,130	30	SSW	7.7
5,310	32	SSW	8.6
5,490	30	SSW	9.1
5,670	29	SSW	9.5
5,850	31	SSW	9.5
6,030	36	SW	10.0
6,210	38	SW	10.9
6,390	40	SW	10.8
6,570	38	SW	11.0
6,750	37	SW	11.0
6,930	35	SW	12.0
7,110	34	SW	11.0

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 892—Continued				No. 895—Continued				No. 899. Dec. 18, 1934; 22h 06m. Clouds: 4 CiSt ?, 6 St N. Vis.: 7. Parhelia visible. Lt. snow at intervals				No. 903—Continued			
7,290	34	SW	10.6	1,170	325	SE	0.6	Surface	200	NNE	3.1	612	151	NNW	6.0
7,470	34	SW	10.9	1,350	12	SSW	2.0	216	170	N	5.5	801	142	NW	7.0
7,650	37	SW	10.2	1,530	22	SSW	2.8	414	170	N	6.0	990	148	NNW	7.7
7,830	37	SW	9.8	1,710	51	SW	2.8	612	175	N	6.5	1,170	145	NW	7.5
8,010	42	SW	12.0	1,890	75	WSW	3.3	801	185	N	6.1	1,350	140	NW	8.0
8,190	43	SW	13.0	2,070	106	WNW	3.0	990	189	N	5.7	1,530	141	NW	8.5
8,370	43	SW	11.2	2,250	151	NNW	2.9	1,170	176	N	5.2	Disappearance: Cut off by StCu.			
8,550	41	SW	11.3	2,430	174	N	3.5	1,350	168	NNW	5.4	No. 904. Dec. 21, 1934; 8h 45m. Clouds: 10 CiSt NW, 5 St E. Lt. fog. Vis.: 4. Lt. drift and lt. snow.			
8,730	44	SW	11.8	Disappearance: Entered Ast, 2,430 m.				1,530	169	N	5.3	Apparently overcast with CiSt.			
8,910	41	SW	11.0	No. 896. Dec. 17, 1934; 18h 10m. Clouds: 5 ACu W, 5 Ast W. Vis.: 8				1,710	171	N	4.6	Surface	291	ESE	6.7
9,090	42	SW	10.0	Surface				1,890	171	N	3.8	216	280	E	10.8
9,270	43	SW	10.0	216				2,070	169	N	3.3	414	267	E	8.3
Disappearance: Bursting (?)				414				Disappearance: Cut off by St.				612	259	E	7.3
No. 893. Dec. 16, 1934; 9h 30m. Clouds: 10 St W. Lt. fog. Vis.: 5				801				No. 900. Dec. 19, 1934; 8h 22m. Clouds: 10 St N. Vis.: 6. Lt. snow.				706	259	E	7.9
Surface	267	E	1.8	216				Surface	264	E	7.6	Disappearance: Entered St, 706 m.			
216	104	WNW	2.4	414				216	224	NE	8.7	No. 905. Dec. 22, 1934; 18h 18m. Clouds: 10 St WSW. Vis.: 6. Occasional snow- flakes			
414	98	W	3.4	612				414	203	NNE	9.9	Surface	255	ENE	1.3
Disappearance: Entered St, 414 m.				801				612	192	NNE	9.7	216	249	ENE	0.7
No. 894. Dec. 16, 1934; 15h 10m. Clouds: 7 StCu WNW. Vis.: 8				216				801	190	N	10.0	414	69	WSW	0.3
Surface	222	NE	3.8	414				Disappearance: Entered St, 801 m.				Disappearance: Entered St, 414 m.			
216	207	NNE	3.1	612				No. 901. Dec. 19, 1934; 20h 45m. Clouds: 10 St NE. Lt. fog. Vis.: 6. Lt. snow.				No. 906. Dec. 23, 1934; 9h 12m. Clouds: Few Ast WSW. Vis.: 8. Heavy shower of ice crystals falling			
414	133	NW	3.0	801				Surface	241	ENE	4.9	Surface	50	SW	8.5
612	94	W	6.0	Disappearance: Entered Ast, 2,430 m.				216	214	NE	9.0	216	39	SW	10.9
801	86	W	6.8	No. 897. Dec. 18, 1934; 8h 05m. Clouds: 10 St NW. Vis.: 6. Lt. snow.				414	217	NE	9.1	414	36	SW	13.0
990	90	W	4.6	Surface				612	225	NE	9.0	612	38	SW	14.4
1,170	117	WNW	3.0	216				Disappearance: Entered St, 612 m.				801	40	SW	13.4
1,350	120	WNW	3.1	414				No. 902. Dec. 20, 1934; 8h 32m. Clouds: 10 StCu NW. Vis.: 8				990	43	SW	12.5
1,530	122	WNW	3.3	612				Surface	112	WNW	4.5	1,170	48	SW	11.7
1,710	137	NW	3.5	801				216	111	WNW	7.0	1,350	50	SW	11.3
1,890	139	NW	3.5	Disappearance: Entered St, 801 m.				414	109	WNW	7.7	1,530	51	SW	11.3
2,070	130	NW	3.6	No. 898. Dec. 18, 1934; 14h 38m. Clouds: 10 St N. Vis.: 6				612	114	WNW	7.7	1,710	51	SW	11.0
2,250	127	NW	3.5	Surface				801	124	NW	7.5	1,890	50	SW	10.3
2,430	130	NW	3.8	216				990	128	NW	7.5	2,070	55	SW	9.0
2,610	130	NW	3.8	414				Disappearance: Entered St- Cu, 990 m.				2,250	62	WSW	8.0
2,790	130	NW	3.7	612				No. 903. Dec. 20, 1934; 16h 42m. Clouds: 2 Cu NNW, 7 StCu NNW. Vis.: 7				2,430	64	WSW	6.8
2,970	128	NW	3.8	801				Surface	180	N	3.6	2,610	66	WSW	6.4
3,150	120	WNW	3.4	Disappearance: Entered Ast, 2,430 m.				216	173	N	5.6	2,790	69	WSW	7.2
3,330	115	WNW	3.2	No. 899. Dec. 18, 1934; 22h 06m. Clouds: 4 CiSt ?, 6 St N. Vis.: 7. Parhelia visible. Lt. snow at intervals				414	167	NNW	6.0	2,970	72	WSW	8.0
3,510	115	WNW	3.5	Surface				Disappearance: Balloon sud- denly lost from sight apparently due to some sort of optical effect. Rapid rise in barometer during night.				3,150	74	WSW	8.2
Disappearance: Cut off by StCu.				216								3,330	71	WSW	8.5
No. 895. Dec. 17, 1934; 8h 45m. Clouds: 4 ACu N, 5 Ast N, Few St NNW. Vis.: 7				414								3,510	71	WSW	8.0
Surface	288	ESE	2.2	801											
216	191	N	2.0	990											
414	169	N	2.7	Disappearance: Entered St, 1,170 m.											
612	159	NNW	2.5												
801	177	N	2.0												
990	230	NE	1.2												

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 907. Dec. 23, 1934; 14h 26m. Clouds: Few CiSt SW															
Surface	68	WSW	5.8	No. 909—Continued				No. 911—Continued				No. 912—Continued			
216	56	SW	10.8	2,430	330	SSE	5.0	1,350	17	SSW	6.8	4,050	335	SSE	4.0
414	47	SW	11.5	2,610	317	SE	5.7	1,530	22	SSW	7.5	4,230	332	SSE	3.5
612	49	SW	10.5	2,790	292	ESE	5.9	1,710	26	SSW	7.6	4,410	330	SSE	3.3
801	57	WSW	9.5	2,970	280	E	5.6	1,890	25	SSW	7.5	4,590	328	SSE	3.7
990	63	WSW	9.2	3,150	290	ESE	4.6	2,070	23	SSW	7.8	4,770	326	SE	4.4
1,170	68	WSW	8.6	3,330	316	SE	4.2	2,250	24	SSW	7.9	4,950	322	SE	4.2
1,350	71	WSW	9.0	3,510	332	SSE	4.6	2,430	28	SSW	7.4	5,130	320	SE	4.0
1,530	71	WSW	9.8	Disappearance: Entered AS t. 3,510 m. Rapid change in wind direction since yesterday.				2,610	31	SSW	6.7	5,310	317	SE	4.1
1,710	70	WSW	10.3	No. 910. Dec. 24, 1934; 12h 45m. Clouds: 4 Ci S, 3 CiSt S. Vis.: 9				2,790	36	SW	6.5	5,490	318	SE	5.0
1,890	68	WSW	10.5	Surface	10	S	7.2	2,970	40	SW	6.1	5,670	322	SE	5.0
2,070	64	WSW	10.6	216	359	S	6.5	3,150	37	SW	6.2	5,850	319	SE	5.2
2,250	65	WSW	10.1	414	349	S	5.3	3,330	36	SW	6.8	6,030	315	SE	5.3
2,430	66	WSW	9.2	612	336	SSE	6.4	3,510	38	SW	6.7	6,210	315	SE	4.5
2,610	64	WSW	9.5	801	342	SSE	7.9	3,690	36	SW	5.6	6,390	322	SE	4.0
2,790	62	WSW	10.5	990	349	S	8.9	3,870	41	SW	5.3	6,570	321	SE	3.7
Disappearance: Balloon sud- denly lost from sight, apparently some sort of optical effect.				1,170	349	S	9.0	4,050	55	SW	6.3	6,750	320	SE	3.5
No. 908. Dec. 23, 1934; 19h 34m. Clouds: 9 CiSt W. Vis.: 8. 22° halo				1,350	349	S	8.5	4,230	63	WSW	7.3	6,930	327	SSE	2.7
Surface	53	SW	3.1	1,530	346	SSE	7.4	4,410	64	WSW	8.0	7,110	335	SSE	1.8
216	31	SSW	5.3	1,710	345	SSE	5.7	4,590	67	WSW	8.3	7,290	330	SSE	1.9
414	37	SW	4.7	1,890	347	SSE	4.8	4,770	72	WSW	7.8	7,470	326	SE	2.5
612	50	SW	5.5	2,070	358	S	5.1	4,950	82	W	8.0	7,650	312	SE	3.3
801	57	WSW	5.5	2,250	2	S	5.7	5,130	93	W	7.5	7,830	306	SE	4.4
990	54	SW	4.5	2,430	358	S	6.8	5,310	101	W	7.3	8,010	307	SE	5.5
1,170	55	SW	4.1	2,610	357	S	6.8	5,490	107	WNW	7.4	8,190	304	SE	6.0
1,350	68	WSW	4.2	2,790	357	S	6.2	5,670	118	WNW	8.4	8,370	305	SE	6.5
1,530	76	WSW	4.3	2,970	356	S	5.6	5,850	113	WNW	10.5	8,550	296	ESE	6.5
1,710	79	W	4.2	3,150	356	S	6.5	6,030	108	WNW	12.8	8,730	290	ESE	6.6
1,890	81	W	4.5	3,330	353	S	7.9	6,210	107	WNW	12.7	8,910	295	ESE	7.0
2,070	77	WSW	5.3	3,510	337	SSE	7.1	6,390	107	WNW	12.2	Disappearance: Bursting.			
2,250	75	WSW	5.5	3,690	318	SE	6.2	6,570	109	WNW	12.7	No. 913. Dec. 27, 1934; 13h 20m. Clouds: 1 ACu SE, 1 AS t SE. Vis.: 9			
2,430	77	WSW	5.6	3,870	312	SE	6.5	6,750	111	WNW	12.8	Surface	278	E.	6.3
2,610	84	W	5.4	4,050	311	SE	6.4	6,930	113	WNW	13.2	216	300	ESE	7.0
2,790	94	W	5.7	4,230	309	SE	4.5	7,110	110	WNW	13.3	414	306	SE	8.9
2,970	97	W	5.5	4,410	344	SSE	3.5	7,290	105	WNW	14.2	612	307	SE	7.7
3,150	97	W	6.2	4,590	12	S	5.3	7,470	101	W	15.3	801	313	SE	6.4
3,330	95	W	6.7	4,770	11	S	7.5	7,650	102	WNW	15.0	990	320	SE	6.8
3,510	93	W	7.0	4,950	6	S	8.4	7,830	105	WNW	14.3	1,170	331	SSE	6.4
Disappearance: Background.				5,130	358	S	8.0	8,010	106	WNW	12.6	1,350	331	SSE	6.8
No. 909. Dec. 24, 1934; 8h 55m. Clouds: 2 CiSt, 7 AS t SSE. Vis.: 8, Partial 22° halo				5,310	344	SSE	7.5	8,190	107	WNW	11.8	1,530	328	SSE	7.0
Surface	338	SSE	2.9	5,490	341	SSE	7.2	8,370	94	W	12.8	1,710	324	SSE	7.2
216	315	SE	6.2	5,670	354	S	8.0	8,550	84	W	14.0	1,890	318	SE	7.4
414	317	SE	6.2	5,850	6	S	8.5	Disappearance: Bursting.				2,070	310	SE	7.0
612	332	SSE	5.5	6,030	9	S	9.0	No. 912. Dec. 27, 1934; 8h 35m. Clouds: Few AS t SE. Vis.: 9				2,250	310	SE	7.6
801	329	SSE	5.4	6,210	7	S	9.0	Surface	0	S	1.8	2,430	318	SE	7.3
990	321	SE	5.6	6,390	6	S	8.0	216	353	S	2.7	2,610	322	SE	6.7
1,170	315	SE	6.4	Disappearance: Entered Ci, 6,390 m.				414	327	SSE	3.4	2,790	318	SE	7.3
1,350	305	SE	6.3	No. 911. Dec. 24, 1934; 18h 40m. Clouds: Few AS t SW. Vis.: 9. Ice crystals falling. Parhelia of 22°; Sun pillar				612	319	SE	4.4	2,970	311	SE	7.3
1,530	302	ESE	6.0	Surface	31	SSW	4.5	801	321	SE	6.4	3,150	306	SE	6.5
1,710	302	ESE	6.2	216	24	SSW	8.5	990	323	SE	7.7	3,330	301	ESE	5.5
1,890	298	ESE	6.0	414	21	SSW	8.5	1,170	320	SE	8.6	3,510	299	ESE	5.0
2,070	305	SE	5.0	612	27	SSW	7.6	1,350	320	SE	8.7	3,690	303	ESE	6.1
2,250	323	SE	4.6	801	26	SSW	6.1	1,530	323	SE	8.8	3,870	298	ESE	7.0
				990	21	SSW	6.0	1,710	324	SE	8.6	4,050	293	ESE	6.6
				1,170	17	SSW	6.2	1,890	322	SE	8.7	4,230	294	ESE	6.2
								2,070	319	SE	8.2	4,410	298	ESE	4.9
								2,250	317	SE	7.0	4,590	313	SE	3.9
								2,430	314	SE	5.6	4,770	318	SE	4.5
								2,610	325	SE	4.0	4,950	318	SE	5.3
								2,790	359	S	4.7	5,130	317	SE	5.0
								2,970	357	S	6.7	5,310	322	SE	4.5
								3,150	343	SSE	7.3	5,490	330	SSE	5.5
								3,330	334	SSE	6.7	5,670	326	SE	6.5
								3,510	326	SE	6.2	5,850	316	SE	6.7
								3,690	318	SE	5.0	6,030	309	SE	5.5
								3,870	327	SSE	4.0	6,210	309	SE	5.0

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 913—Continued				No. 915—Continued				No. 916—Continued				No. 918—Continued			
6,390	306	SE	5.3	612	251	ENE	6.2	6,390	267	E	9.5	1,710	296	ESE	6.7
6,570	300	ESE	5.1	801	251	ENE	6.6	6,570	263	E	9.2	1,890	296	ESE	7.0
6,750	296	ESE	5.7	990	258	ENE	7.1	6,750	264	E	9.0	2,070	297	ESE	6.8
6,930	295	ESE	6.0	1,170	254	ENE	7.2	6,930	266	E	9.8	2,250	299	ESE	6.8
7,110	295	ESE	5.1	1,350	249	ENE	7.8	7,110	269	E	9.1	2,430	296	ESE	7.0
7,290	296	ESE	4.5	1,530	246	ENE	8.8	7,290	272	E	7.8	2,610	293	ESE	6.7
7,470	294	ESE	5.1	1,710	242	ENE	10.5	7,470	285	ESE	7.0	2,790	291	ESE	6.7
7,650	295	ESE	4.4	1,890	234	NE	13.4	7,650	285	ESE	6.2	2,970	289	ESE	6.7
7,830	295	ESE	4.5	2,070	233	NE	12.5	7,830	266	E	7.7	3,150	293	ESE	6.6
8,010	291	ESE	5.0	2,250	238	ENE	10.1	8,010	268	E	10.0	3,330	302	ESE	5.2
8,190	299	ESE	5.2	2,430	233	NE	9.8	8,190	271	E	9.6	3,510	304	SE	4.5
8,370	309	SE	11.5	2,610	238	ENE	8.3	Disappearance: Distance.				3,690	302	ESE	5.0
8,550	308	SE	17.8	2,790	250	ENE	8.4	No. 917. Dec. 29, 1934; 8h				3,870	287	ESE	6.5
8,730	307	SE	18.0	2,970	258	ENE	10.6	30 m. Clouds: Few Ast E.				4,050	274	E	8.4
Disappearance: Bursting.				3,150	258	ENE	12.2	Vis.: 9				4,230	266	E	9.8
ACu clds. show bright irides-				3,330	252	ENE	12.6	Surface				4,410	266	E	10.5
cence when they pass across				3,510	251	ENE	12.5	216	311	SE	4.0	4,590	268	E	11.5
sun.				3,690	248	ENE	11.4	414	283	ESE	3.0	4,770	268	E	13.6
No. 914. Dec. 28, 1934; 8h				3,870	246	ENE	12.0	612	271	E	4.5	4,950	269	E	15.0
10m. Clouds: Few ACu E,				4,050	247	ENE	12.8	801	268	E	6.4	5,130	270	E	15.8
Few Ast E. Vis.: 9				4,230	247	ENE	12.5	990	270	E	6.9	5,310	273	E	15.2
Surface	270	E	5.4	4,410	246	ENE	11.4	1,170	273	E	6.4	5,490	275	E	15.0
216	281	E	7.2	4,590	247	ENE	10.6	1,350	277	E	5.7	5,670	271	E	14.6
414	284	ESE	5.9	4,770	248	ENE	10.1	1,530	269	E	5.5	5,850	269	E	14.0
612	288	ESE	5.6	4,950	248	ENE	11.2	1,710	257	ENE	5.5	6,030	270	E	14.6
801	289	ESE	6.2	5,130	251	ENE	12.0	1,890	244	ENE	6.0	6,210	268	E	15.1
990	289	ESE	6.3	5,310	253	ENE	10.0	2,070	236	NE	7.1	6,390	267	E	15.0
1,170	276	E	7.0	5,490	252	ENE	8.8	2,250	237	ENE	5.9	6,570	271	E	14.5
1,350	268	E	7.4	Disappearance: Distance.				2,430	238	ENE	4.2	6,750	273	E	15.2
1,530	271	E	8.0	No. 916. Dec. 28, 1934; 18h				2,610	242	ENE	4.3	6,930	272	E	16.0
1,710	273	E	9.0	55m. Clouds: Few Ast E.				2,790	242	ENE	4.5	7,110	270	E	16.7
1,890	276	E	8.2	Vis.: 9				2,970	239	ENE	4.1	7,290	270	E	18.4
2,070	277	E	7.0	Surface	356	S	1.3	3,150	242	ENE	3.4	7,470	271	E	19.6
2,250	281	E	8.2	216	313	SE	5.0	3,330	252	ENE	3.4	7,650	269	E	20.4
2,430	287	ESE	7.9	414	305	SE	6.0	3,510	259	E	3.6	7,830	266	E	19.8
2,610	288	ESE	7.1	612	310	SE	6.4	3,690	263	E	4.0	8,010	265	E	18.8
2,790	274	E	8.0	801	307	SE	5.7	3,870	266	E	5.5	Disappearance: Distance.			
2,970	263	E	9.9	990	290	ESE	5.5	4,050	267	E	8.0	No. 919. Dec. 29, 1934; 21h			
3,150	257	ENE	10.4	1,170	284	ESE	7.0	4,230	273	E	8.8	30m. Clouds: 4 CiSt E			
3,330	254	ENE	9.6	1,350	281	E	8.0	4,410	286	ESE	8.3	Surface	13	SSW	3.3
3,510	253	ENE	9.7	1,530	281	E	8.6	4,590	293	ESE	8.2	216	310	SE	5.5
3,690	252	ENE	9.0	1,710	280	E	8.5	4,770	294	ESE	9.2	414	302	ESE	8.0
3,870	250	ENE	8.3	1,890	278	E	9.4	4,950	290	ESE	10.5	612	299	ESE	8.0
4,050	250	ENE	8.0	2,070	281	E	10.7	5,130	286	ESE	11.0	801	299	ESE	7.2
4,230	251	ENE	10.4	2,250	284	ESE	11.6	5,310	282	ESE	10.0	990	310	SE	6.2
4,410	250	ENE	11.0	2,430	287	ESE	11.9	5,490	280	E	10.2	1,170	324	SE	6.5
4,590	242	ENE	9.0	2,610	287	ESE	11.4	5,670	280	E	10.8	1,350	333	SSE	7.5
4,770	246	ENE	9.3	2,790	287	ESE	11.0	5,850	282	ESE	10.9	1,530	330	SSE	8.6
4,950	248	ENE	10.5	2,970	281	E	10.5	6,030	283	ESE	10.8	1,710	326	SE	9.7
5,130	249	ENE	10.8	3,150	277	E	9.4	Disappearance: Bursting or				1,890	322	SE	10.5
5,310	251	ENE	11.2	3,330	277	E	9.0	losing.				2,070	316	SE	10.2
5,490	252	ENE	11.6	3,510	277	E	8.7	No. 918. Dec. 29, 1934; 14h				2,250	306	SE	9.5
5,670	254	ENE	11.3	3,690	273	E	7.9	05 m. Clouds: 1 Ci E. Vis.: 9				2,430	297	ESE	8.7
5,850	261	E	10.9	3,870	273	E	7.8	Surface	324	SE	3.6	2,610	298	ESE	7.7
6,030	264	E	12.2	4,050	272	E	8.3	216	308	SE	5.1	2,790	295	ESE	8.0
6,210	265	E	12.5	4,230	270	E	7.5	414	303	ESE	6.9	2,970	287	ESE	8.3
6,390	265	E	11.4	4,410	268	E	6.4	612	306	SE	7.0	3,150	284	ESE	8.1
Disappearance: Cut off by				4,590	270	E	6.1	801	314	SE	6.5	3,330	284	ESE	9.2
ACu.				4,770	273	E	6.2	990	315	SE	6.2	3,510	286	ESE	10.4
No. 915. Dec. 28, 1934; 13h 08m.				4,950	274	E	6.1	1,170	308	SE	6.4	3,690	280	E	13.6
Clouds: Few Ast ENE				5,130	276	E	6.5	1,350	303	ESE	6.2	3,870	276	E	15.6
Surface	273	E	6.3	5,310	278	E	7.7	1,530	300	ESE	6.1	4,050	280	E	15.2
216	267	E	8.2	5,490	278	E	7.2	Disappearance: Bursting or				4,230	283	ESE	16.8
414	260	E	6.8	5,670	280	E	8.3	losing.				4,410	282	ESE	19.0
				5,850	279	E	9.8	No. 919. Dec. 29, 1934; 14h				4,590	281	E	19.0
				6,030	274	E	8.8	05 m. Clouds: 1 Ci E. Vis.: 9				4,770	280	E	19.7
				6,210	268	E	9.0	9				4,950	276	E	20.7

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 919—Continued				No. 921—Continued				No. 922—Continued				No. 924—Continued			
5, 130	272	E	18.2	3, 150	289	ESE	9.6	5, 490	286	ESE	12.0	1, 530	285	ESE	1.8
5, 310	274	E	22.5	3, 330	288	ESE	9.5	5, 670	283	ESE	13.0	1, 710	278	E	3.0
5, 490	274	E	24.0	3, 510	290	ESE	9.4	5, 850	282	ESE	12.8	1, 890	279	E	3.8
5, 670	275	E	24.0	3, 690	289	ESE	9.8	6, 030	281	E	13.0	2, 070	276	E	4.1
5, 850	277	E	25.2	3, 870	282	ESE	10.8	6, 210	281	E	14.1	2, 250	276	E	4.9
Disappearance: Distance.				4, 050	278	E	11.6	6, 390	280	E	13.6	2, 430	281	E	5.5
No. 920. Dec. 30, 1934; 10h				4, 230	274	E	12.0	6, 570	280	E	13.6	2, 610	281	E	4.9
38m. Clouds: Few ACu, E,				4, 410	272	E	12.0	6, 750	282	ESE	13.6	2, 790	288	ESE	4.8
Few ASt E. Vis.: 9				4, 590	274	E	12.0	6, 930	282	ESE	12.8	2, 970	294	ESE	5.9
Surface	276	E	5.8	4, 770	278	E	13.0	7, 110	282	ESE	12.6	3, 150	299	ESE	6.3
216	250	ENE	4.7	4, 950	278	E	13.1	7, 290	283	ESE	14.2	3, 330	304	SE	6.8
414	227	NE	4.7	5, 130	276	E	13.3	7, 470	283	ESE	15.0	3, 510	307	SE	8.1
612	228	NE	6.1	5, 310	274	E	13.1	7, 650	280	E	13.7	3, 690	308	SE	9.0
801	230	NE	6.4	5, 490	273	E	12.7	7, 830	281	E	12.0	3, 870	308	SE	9.4
990	237	ENE	6.6	5, 670	273	E	12.7	8, 010	283	ESE	11.6	4, 050	304	SE	9.5
1, 170	247	ENE	6.3	5, 850	275	E	12.0	8, 190	285	ESE	9.4	4, 230	300	ESE	9.9
1, 350	249	ENE	6.7	6, 030	282	ESE	12.0	Disappearance: Distance.				4, 410	299	ESE	10.6
1, 530	250	ENE	7.0	6, 210	282	ESE	12.7	Winds have been consistently				4, 590	302	ESE	10.4
1, 710	257	ENE	8.2	6, 390	280	E	13.0	from the E the past few days				4, 770	303	ESE	10.3
1, 890	260	E	9.3	6, 570	274	E	12.8	but there has been remarkably				4, 950	300	ESE	9.4
2, 070	261	E	9.6	6, 750	269	E	11.4	little cloudiness.				5, 130	296	ESE	8.6
2, 250	260	E	10.2	6, 930	270	E	9.5	No. 923. Dec. 31, 1934; 19h				5, 310	291	ESE	8.7
2, 430	259	E	11.4	7, 110	280	E	9.2	05m. Clouds: 3 Ci ESE, 5				5, 490	295	ESE	9.3
2, 610	259	E	11.9	7, 290	285	ESE	10.5	CiSt ESE. Vis.: 9. 22° halo				5, 670	302	ESE	11.0
2, 790	257	ENE	12.9	7, 470	285	ESE	10.1	Surface	243	ENE	1.5	5, 850	309	SE	12.5
2, 970	254	ENE	14.2	7, 650	285	ESE	9.4	216	352	S	2.2	6, 030	309	SE	13.9
3, 150	252	ENE	15.7	7, 830	283	ESE	8.6	414	350	S	4.4	6, 210	306	SE	15.1
3, 330	254	ENE	16.6	8, 010	287	ESE	9.5	612	322	SE	4.1	6, 390	305	SE	14.3
3, 510	259	E	16.5	8, 190	290	ESE	11.8	801	306	SE	4.1	6, 570	303	ESE	15.2
3, 690	262	E	15.4	8, 370	287	ESE	13.6	990	307	SE	4.9	6, 750	301	ESE	16.8
3, 870	264	E	14.3	8, 550	285	ESE	14.2	1, 170	300	ESE	5.5	6, 930	300	ESE	17.2
4, 050	274	E	14.7	8, 730	284	ESE	11.1	1, 350	292	ESE	5.6	7, 110	300	ESE	17.7
4, 230	279	E	15.0	8, 910	284	ESE	8.8	1, 530	288	ESE	5.5	Disappearance: Distance.			
4, 410	278	E	14.4	Disappearance: Distance.				1, 710	296	ESE	5.6	Sea smoke appears above edge of			
4, 590	276	E	13.5	No. 922. Dec. 31, 1934; 8h				1, 890	305	SE	6.6	barrier to NE and N.			
4, 770	272	E	13.6	38m. Clouds: Few ASt ESE.				2, 070	302	ESE	8.0	No. 925. Jan. 1, 1935; 9h 40m.			
4, 950	271	E	14.5	Vis.: 9				2, 250	299	ESE	8.7	Clouds: Few ASt. Vis.: 9			
5, 130	272	E	14.0	Surface	326	SE	4.0	2, 430	299	ESE	8.5	Surface	277	E	6.3
5, 310	273	E	13.0	216	290	ESE	9.0	2, 610	297	ESE	9.1	216	270	E	5.3
5, 490	267	E	13.0	414	291	ESE	10.0	2, 790	300	ESE	10.2	414	238	ENE	3.3
5, 670	269	E	13.0	612	297	ESE	6.7	2, 970	302	ESE	10.7	612	233	NE	4.4
Disappearance: Distance.				801	291	ESE	5.5	3, 150	303	ESE	10.3	801	235	NE	5.5
No. 921. Dec. 30, 1934; 18h				990	280	E	4.6	3, 330	299	ESE	10.2	990	239	ENE	5.4
33m. Clouds: Few ASt E.				1, 170	273	E	3.8	3, 510	297	ESE	11.2	1, 170	244	ENE	5.7
Vis.: 9				1, 350	267	E	4.2	3, 690	301	ESE	12.0	1, 350	246	ENE	6.2
Surface	349	S	2.0	1, 530	266	E	5.2	3, 870	301	ESE	12.3	1, 530	242	ENE	5.9
216	346	SSE	5.3	1, 710	263	E	6.5	4, 050	300	ESE	12.5	1, 710	247	ENE	4.9
414	327	SSE	5.3	1, 890	267	E	6.7	4, 230	302	ESE	12.0	1, 890	264	E	4.3
612	315	SE	5.6	2, 070	277	E	6.8	4, 410	302	ESE	11.6	2, 070	274	E	4.7
801	312	SE	5.6	2, 250	284	ESE	7.4	4, 590	300	ESE	11.2	2, 250	274	E	3.6
990	315	SE	5.6	2, 430	290	ESE	8.5	Disappearance: Entered Ci,				2, 430	275	E	4.8
1, 170	321	SE	5.6	2, 610	294	ESE	10.2	4,590 M. P				2, 610	283	ESE	5.6
1, 350	333	SSE	5.5	2, 790	295	ESE	11.2	No. 924. Jan. 1, 1935; 2h 35m.				2, 790	284	ESE	6.5
1, 530	328	SSE	6.8	2, 970	293	ESE	12.4	Clouds: 1 CiSt				2, 970	282	ESE	7.3
1, 710	312	SE	8.2	3, 150	293	ESE	13.4	Surface	265	E	1.8	3, 150	284	ESE	7.5
1, 890	301	ESE	9.3	3, 330	292	ESE	13.1	216	270	E	5.3	3, 330	288	ESE	7.8
2, 070	296	ESE	9.8	3, 510	292	ESE	13.4	414	345	SSE	2.9	3, 510	289	ESE	7.5
2, 250	296	ESE	10.0	3, 690	294	ESE	13.2	612	312	SE	1.7	3, 690	283	ESE	6.5
2, 430	296	ESE	10.3	3, 870	298	ESE	12.0	801	273	E	1.2	3, 870	285	ESE	6.5
2, 610	293	ESE	10.7	4, 050	304	SE	12.0	990	340	SSE	1.8	4, 050	269	E	7.0
2, 790	290	ESE	10.9	4, 230	303	ESE	12.5	1, 170	355	S	2.1	4, 230	266	E	6.9
2, 970	289	ESE	10.6	4, 410	299	ESE	12.5	1, 350	316	SE	1.8	4, 410	250	ENE	6.9
				4, 590	296	ESE	12.0					4, 590	231	NE	7.1
				4, 770	296	ESE	12.0					4, 770	218	NE	7.0
				4, 950	296	ESE	12.8					4, 950	217	NE	7.0
				5, 130	294	ESE	13.0					5, 130	211	NNE	6.5
				5, 310	290	ESE	12.0					5, 310	211	NNE	6.0

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind							
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.				
No. 925—Continued				No. 926—Continued				No. 929—Continued				No. 930—Continued							
5,490	229	NE	5.1	6,030	312	SE	7.5	1,350	218	NE	6.7	8,910	211	NNE	5.4				
5,670	226	NE	6.3	6,210	319	SE	6.9	1,530	220	NE	7.0	9,090	220	NE	7.0				
5,850	234	NE	7.0	6,390	324	SE	6.0	1,710	214	NE	7.7	9,270	224	NE	7.0				
6,030	240	ENE	6.7	6,570	321	SE	6.5	1,890	216	NE	8.0	9,450	233	NE	6.0				
6,210	250	ENE	6.0	6,750	322	SE	7.0	2,070	223	NE	7.8	9,630	242	ENE	6.0				
6,390	265	E	5.5	6,930	320	SE	8.5	2,250	217	NE	7.5	9,810	254	ENE	4.6				
6,570	259	E	4.8	7,110	316	SE	9.6	2,430	210	NNE	7.6	9,990	262	E	3.4				
6,750	269	E	5.4	Disappearance: Abandoned.				2,610	206	NNE	7.8	Disappearance: Distance.							
6,930	273	E	7.5	No. 927. Jan. 2, 1935; 9h				2,790	202	NNE	7.2	No. 931. Jan. 3, 1935; 15h 47m.							
7,110	281	E	8.8	10m. Clouds: 1 Ci, 1 ACu				2,970	200	NNE	7.2	Clouds: 3 Ci E, 3 CiSt E, 4							
7,290	287	ESE	9.0	SE, 4 StCu N. Vis.: 8				3,150	198	NNE	6.4	ASt E. Vis.: 8. Very lt. sur-							
7,470	291	ESE	9.2	Surface				3,330	219	NE	4.6	face drift							
7,650	297	ESE	10.8	195	NNE	6.7	No. 928. Jan. 2, 1935; 14h				3,510	234	NE	3.7	Surface				
7,830	303	ESE	11.6	216	NNE	10.1	35m. Clouds: Few ASt, Few				3,690	220	NE	3.2	StCu.				
8,010	301	ESE	13.4	414	NNE	11.1	StCu NNE, Few Cu NNE.				No. 930. Jan. 3, 1935; 9h 05m.				Clouds: 3 Ci (E?)				
8,190	303	ESE	15.0	612	N	11.8	Vis.: 8				Surface	295	ESE	5.8	Surface				
8,370	306	SE	12.4	801	N	12.0	Surface				216	292	ESE	10.0	216				
8,550	306	SE	11.0	990	N	11.9	295				414	289	ESE	9.7	414				
8,730	298	ESE	12.8	1,170	N	10.0	ESE				612	287	ESE	9.5	612				
8,910	293	ESE	13.4	1,350	N	8.0	E				801	283	ESE	9.2	801				
9,090	294	ESE	12.0	1,530	N	7.4	E				990	281	E	8.0	990				
9,270	299	ESE	11.0	1,710	N	6.9	E				1,170	277	E	7.3	1,170				
9,450	303	ESE	10.0	1,890	N	6.6	E				1,350	270	E	6.8	1,350				
9,630	304	SE	9.8	Disappearance: Cut off by				1,530	266	E	6.0	2,070				2,070			
9,810	302	ESE	11.2	StCu.				1,710	272	E	6.0	2,250				2,250			
9,990	304	SE	10.1	No. 930. Jan. 3, 1935; 9h 05m.				1,890	279	E	5.8	2,430				2,430			
10,170	307	SE	9.0	Clouds: 3 Ci (E?)				2,070	284	ESE	5.8	2,610				2,610			
10,350	304	SE	9.4	Surface				2,250	286	ESE	6.0	2,790				2,790			
10,530	295	ESE	9.8	225	NE	4.9	295				2,430	278	E	6.0	3,150				
10,710	290	ESE	10.1	216	NE	8.5	E				2,610	269	E	7.3	3,330				
Disappearance: Bursting.				414	NNE	8.0	E				2,790	265	E	8.0	3,510				
No. 926. Jan. 1, 1935; 18h				612	NNE	7.2	E				2,970	268	E	6.2	3,870				
20m. Clouds: Few ASt E.				801	NNE	6.8	E				3,150	274	E	4.5	216				
Vis.: 9				990	NNE	7.3	E				3,330	273	E	3.3	414				
Surface	270	E	5.8	1,170	NNE	8.5	E				3,510	268	E	1.8	612				
216	241	ENE	6.7	1,350	NNE	9.6	E				3,690	237	ENE	1.7	801				
414	223	NE	4.8	1,530	NNE	8.0	E				3,870	231	NE	3.1	990				
612	237	ENE	4.5	1,710	NNE	8.0	E				4,050	239	ENE	6.0	1,170				
801	237	ENE	3.9	1,890	NNE	7.7	E				4,230	232	NE	6.5	1,350				
990	217	NE	2.8	2,070	NNE	8.0	E				4,410	206	NNE	5.4	1,530				
1,170	227	NE	2.7	2,250	NNE	7.8	E				4,590	201	NNE	5.3	1,710				
1,350	238	ENE	2.7	2,430	NNE	7.8	E				4,770	206	NNE	5.0	1,890				
1,530	256	ENE	3.2	2,610	NNE	8.3	E				4,950	199	NNE	5.6	2,070				
1,710	258	ENE	4.3	2,790	NNE	8.5	E				5,130	191	N	7.1	2,250				
1,890	256	ENE	5.1	2,970	NNE	8.3	E				5,310	190	N	9.4	2,430				
2,070	259	E	5.1	3,150	NNE	8.5	E				5,490	187	N	10.6	2,610				
2,250	261	E	4.5	Disappearance: Bursting (?)				5,670	185	N	10.7	5,850				5,850			
2,430	254	ENE	4.4	No. 929. Jan. 2, 1935; 19h				6,030	186	N	10.8	6,210				6,210			
2,610	245	ENE	5.2	50m. Clouds: Few Cu NE,				6,390	188	N	11.4	6,570				6,570			
2,790	250	ENE	5.8	Few StCu NE. Vis.: 8				6,570	188	N	11.9	6,750				6,750			
2,970	262	E	5.3	Surface				6,750	189	N	12.4	6,930				6,930			
3,150	270	E	4.8	244	ENE	4.5	244				6,930	189	N	11.9	7,110				
3,330	280	E	5.2	216	NE	9.3	244				7,110	189	N	12.8	7,290				
3,510	288	ESE	4.4	414	NE	9.5	244				7,290	189	N	15.2	7,470				
3,690	286	ESE	4.1	612	NE	8.3	244				7,470	188	N	15.7	7,650				
3,870	291	ESE	4.9	801	NNE	7.5	244				7,650	187	N	14.7	7,830				
4,050	299	ESE	5.7	990	NNE	7.5	244				7,830	188	N	14.2	8,010				
4,230	299	ESE	5.7	1,170	NE	6.9	244				8,010	190	N	12.6	8,190				
4,410	294	ESE	6.3	Disappearance: Distance.				8,190	189	N	9.5	8,370				8,370			
4,590	291	ESE	6.7	No. 930. Jan. 3, 1935; 9h 05m.				8,370	192	NNE	7.6	8,550				8,550			
4,770	305	SE	6.5	Clouds: 3 Ci E, 3 CiSt E, 4				8,550	200	NNE	7.1	8,730				8,730			
4,950	315	SE	6.9	ASt E. Vis.: 8				8,730	202	NNE	5.9	8,910				8,910			
5,130	308	SE	7.4	Surface				No. 931. Jan. 3, 1935; 15h 47m.				Surface				Surface			
5,310	303	ESE	7.6	292	ESE	9.8	292				Clouds: 10 St E. Vis.: 8.				216	292	ESE	15.4	
5,490	305	SE	7.5	216	ESE	15.4	292				Very lt. surface drift				414	287	ESE	15.3	
5,670	310	SE	7.9	414	ESE	13.4	292				No. 932. Jan. 4, 1935; 9h 05m.				612	286	ESE	13.4	
5,850	310	SE	8.0	801	ESE	10.8	292				Clouds: 10 St E. Vis.: 8.				801	285	ESE	10.8	
				990	E	8.9	292				Very lt. surface drift				990	281	E	8.9	
				1,170	E	9.3	292				No. 933. Jan. 4, 1935; 15h 35m.				1,170	276	E	9.3	
				1,350	E	10.9	292				Clouds: 8 CiSt E, 1 ASt ESE.				1,350	274	E	10.9	
				1,530	E	9.0	292				Vis.: 8				1,530	272	E	9.0	
				1,710	E	6.5	292				Surface				1,710	270	E	6.5	
				Disappearance: Distance.				Disappearance: Entered St,				Disappearance: Entered St,				Disappearance: Entered St,			
				1,710 m.				1,710 m.				1,710 m.				1,710 m.			
				No. 933. Jan. 4, 1935; 15h 35m.				No. 933. Jan. 4, 1935; 15h 35m.				No. 933. Jan. 4, 1935; 15h 35m.				No. 933. Jan. 4, 1935; 15h 35m.			
				Clouds: 8 CiSt E, 1 ASt ESE.				Clouds: 8 CiSt E, 1 ASt ESE.				Clouds: 8 CiSt E, 1 ASt ESE.				Clouds: 8 CiSt E, 1 ASt ESE.			
				Vis.: 8				Vis.: 8				Vis.: 8				Vis.: 8			
				Surface				Surface				Surface				Surface			
				273	E	4.5	273				273				273				
				216	297	ESE	8.5	216				216				216			
				414	304	SE	10.8	414				414				414			
				612	302	ESE	11.1	612				612				612			

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Wind				Wind				Wind				Wind			
Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.	Altitude m.	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 933—Continued				No. 935—Continued				No. 936—Continued				No. 938. Jan. 5, 1935; 20h 55 m. Clouds: Few Ci W. Vis.: 9			
801	298	ESE	9.8	990	325	SE	4.0	4,410	24	SSW	1.6	Surface	1	S	5.4
990	295	ESE	8.4	1,170	321	SE	4.0	4,590	49	SW	2.7	216	330	SSE	8.8
1,170	294	ESE	9.0	1,350	322	SE	3.6	4,770	39	SW	4.5	414	309	SE	10.5
1,350	299	ESE	8.5	1,530	329	SSE	4.0	4,950	30	SSW	4.4	612	304	SE	10.5
1,530	308	SE	8.2	1,710	327	SSE	5.8	5,130	27	SSW	4.7	801	317	SE	7.7
1,710	318	SE	8.2	1,890	321	SE	7.2	5,310	36	SW	4.8	990	339	SSE	7.0
1,890	324	SE	9.2	2,070	311	SE	7.8	5,490	55	SW	4.8	1,170	348	SSE	8.0
2,070	320	SE	10.1	2,250	308	SE	7.6	5,670	70	WSW	5.8	1,350	348	SSE	7.6
2,250	313	SE	10.7	2,430	311	SE	8.1	5,850	73	WSW	5.7	1,530	343	SSE	6.3
2,430	305	SE	10.2	2,610	311	SE	7.8	6,030	69	WSW	4.7	1,710	339	SSE	5.0
2,610	295	ESE	9.1	2,790	313	SE	5.4	6,210	74	WSW	4.2	1,890	334	SSE	3.3
2,790	292	ESE	8.4	2,970	325	SE	3.9	6,390	82	W	6.1	2,070	331	SSE	2.5
2,970	290	ESE	10.0	3,150	342	SSE	5.7	6,570	90	W	11.5	2,250	327	SSE	2.0
3,150	289	ESE	11.5	3,330	343	SSE	7.6	6,750	99	W	20.3	2,430	330	SSE	2.2
3,330	286	ESE	10.0	3,510	343	SSE	6.5	6,930	102	WNW	29.4	2,610	333	SSE	2.8
3,510	285	ESE	9.1	3,690	340	SSE	5.7	7,110	104	WNW	37.4	2,790	341	SSE	3.3
3,690	288	ESE	9.0	3,870	338	SSE	6.3	7,290	104	WNW	42.2	2,970	1	S	3.4
3,870	299	ESE	8.0	4,050	337	SSE	6.5	7,470	105	WNW	42.8	3,150	25	SSW	3.3
4,050	310	SE	8.1	4,230	333	SSE	6.0	7,650	106	WNW	43.0	3,330	16	SSW	2.8
4,230	308	SE	8.0	4,410	330	SSE	5.2	7,830	108	WNW	42.3	3,510	52	SW	2.3
4,410	299	ESE	8.0	4,590	350	S	4.9	8,010	109	WNW	44.0	3,690	42	SW	3.7
4,590	291	ESE	7.9	4,770	13	SSW	5.3	8,190	110	WNW	44.0	3,870	57	WSW	4.5
4,770	280	E	8.5	4,950	17	SSW	5.6	8,370	110	WNW	42.8	4,050	98	W	5.0
4,950	278	E	9.0	5,130	29	SSW	4.8	8,550	110	WNW	43.8	4,230	92	W	5.3
Disappearance: Entered CiSt, 4,950 m.				5,310	40	SW	4.9	Disappearance: (?).				4,410	91	W	5.5
No. 934. Jan. 4, 1935; 21h 05m. Clouds: 9 ASt SE. Vis.: 8				5,490	45	SW	5.0	No. 937. Jan. 5, 1935; 16h. Clouds: Few Ci WNW or W. Vis.: 9				4,590	88	W	5.3
Surface	25	SSW	3.3	5,670	48	SW	4.9	4,770	88	W	5.4	4,950	85	W	6.4
216	318	SE	6.3	5,850	48	SW	4.7	5,130	82	W	7.8	5,310	84	W	8.2
414	314	SE	10.5	6,030	39	SW	4.7	5,490	84	W	8.8	5,670	86	W	9.8
612	309	SE	11.9	6,210	42	SW	5.0	5,850	88	W	12.0	5,930	88	W	15.0
801	305	SE	10.4	6,390	77	WSW	7.7	6,210	86	W	20.1	6,390	88	W	25.6
990	303	ESE	9.5	6,570	91	W	14.5	6,570	90	W	28.2	6,750	90	W	30.6
1,170	301	ESE	9.0	6,750	96	W	21.2	6,750	90	W	33.0	6,930	90	W	33.0
1,350	304	SE	7.7	6,930	102	WNW	29.3	7,110	92	W	33.6	7,110	92	W	33.6
1,530	308	SE	7.0	7,110	104	WNW	38.0	7,470	96	W	34.0	7,290	95	W	34.0
1,710	318	SE	6.5	7,290	105	WNW	45.2	7,830	107	WNW	46.1	7,470	96	W	34.0
1,890	325	SE	7.5	7,470	106	WNW	46.0	Disappearance: Lost.				7,650	94	W	35.0
2,070	322	SE	8.3	7,650	107	WNW	46.1	No. 936. Jan. 5, 1935; 10h 57m. Clouds: Few Ci, Few CiSt. Vis.: 9				7,830	91	W	34.4
2,250	311	SE	8.2	7,830	109	WNW	48.2	Surface	352	S	6.7	8,010	92	W	34.2
2,430	301	ESE	8.1	Disappearance: Lost.				216	327	SSE	5.4	8,190	90	W	37.0
2,610	301	ESE	7.5	No. 936. Jan. 5, 1935; 10h 57m. Clouds: Few Ci, Few CiSt. Vis.: 9				414	292	ESE	4.3	8,370	90	W	37.0
2,790	311	SE	7.7	Surface				612	310	SE	5.6	8,550	90	W	35.6
2,970	318	SE	7.3	216				801	335	SSE	5.4	Disappearance: Distance.			
3,150	322	SE	7.3	414				990	341	SSE	4.4	No. 939. Jan. 6, 1935; 9h 50m. Clouds: Few Ci, Few St S. Vis.: 9			
3,330	320	SE	7.6	612				1,170	336	SSE	3.1	Surface	16	SSW	7.6
3,510	315	SE	7.5	801				1,350	339	SSE	3.8	216	6	S	9.8
3,690	311	SE	8.2	990				1,530	331	SSE	5.8	414	356	S	10.5
3,870	309	SE	9.0	1,170				1,710	322	SE	7.5	612	342	SSE	11.4
4,050	307	SE	9.0	1,350				1,890	313	SE	5.8	801	342	SSE	10.1
Disappearance: Entered ASt, 4,050 m.				1,530				2,070	307	SE	6.0	990	341	SSE	9.6
No. 935. Jan. 5, 1935; 8h 33m. Clouds: Few Ci (WNW?). Vis.: 9				1,710				2,250	302	ESE	5.9	1,170	346	SSE	8.5
Surface	13	SSW	2.7	2,430				2,430	298	ESE	5.7	1,350	346	SSE	9.6
216	346	SSE	4.5	2,610				2,610	304	SE	5.0	1,530	347	SSE	10.3
414	320	SE	5.3	2,790				2,790	313	SE	4.2	1,710	352	S	9.5
612	306	SE	7.1	2,970				2,970	314	SE	3.9	1,890	356	S	8.7
801	307	SE	5.8	3,150				3,150	322	SE	2.5	2,070	359	S	7.7
Disappearance: Lost.				3,330				3,330	3	S	2.5	2,250	4	S	6.1
				3,510				3,510	24	SSW	2.3	2,430	12	SSW	3.8
				3,690				3,690	62	WSW	2.5				
				3,870				3,870	59	WSW	3.5				
				4,050				4,050	55	SW	3.6				
				4,230				4,230	60	WSW	3.8				
				4,410				4,410	61	WSW	4.5				
				4,590				4,590	64	WSW	4.3				
				4,770				4,770	84	W	5.2				
				4,950				4,950	87	W	7.1				
				5,130				5,130	85	W	7.5				
				5,310				5,310	81	W	8.2				
				5,490				5,490	86	W	8.8				
				5,670				5,670	93	W	9.7				
				5,850				5,850	91	W	9.5				
				6,030				6,030	93	W	11.6				
				6,210				6,210	96	W	16.6				
				6,390				6,390	98	W	22.3				
				6,570				6,570	98	W	25.5				
				Disappearance: Lost.											

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 939—Continued				No. 941. Jan. 6, 1935; 21h 38m. Clouds: Few Ast SW. Vis.: 9				No. 944—Continued				No. 947—Continued			
2,610	14	SSW	3.7	Surface	10	S	7.6	1,350	26	SSW	12.8	990	359	S	7.8
2,790	21	SSW	5.0	216	359	S	12.5	1,530	26	SSW	11.5	1,170	358	S	7.9
2,970	34	SW	6.5	414	1	S	12.2	1,710	28	SSW	10.9	1,350	355	S	7.7
3,150	43	SW	7.2	612	7	S	10.9	1,890	29	SSW	10.5	1,530	352	S	10.0
3,330	51	SW	7.9	801	6	S	8.5	Disappearance: Cut off by StCu.				1,710	351	S	12.4
3,510	51	SW	8.5	990	0	S	7.3	No. 945. Jan. 8, 1935; 15h 35m. Clouds: 1 StCu SSW, Few FrCu-SSW. Vis.: 8				1,890	350	S	12.0
3,690	53	SW	8.3	1,170	4	S	7.2	Surface	33	SSW	9.8	2,070	351	S	12.2
3,870	58	WSW	9.3	1,350	7	S	7.5	216	26	SSW	13.5	2,250	353	S	12.5
4,050	58	WSW	11.6	1,530	5	S	7.0	414	24	SSW	15.9	2,430	351	S	12.7
4,230	56	SW	13.0	1,710	7	S	6.0	612	23	SSW	16.0	2,610	351	S	12.8
4,410	56	SW	13.5	1,890	11	S	5.8	801	28	SSW	15.0	2,790	353	S	12.7
4,590	64	WSW	13.4	2,070	12	SSW	6.8	990	25	SSW	14.2	2,970	348	SSE	12.3
4,770	68	WSW	11.9	2,250	14	SSW	7.6	1,170	20	SSW	14.5	3,150	347	SSE	11.0
4,950	64	WSW	14.0	2,430	13	SSW	8.3	1,350	18	SSW	15.1	3,330	351	S	11.0
5,130	68	WSW	14.0	2,610	17	SSW	9.0	1,530	19	SSW	14.8	3,510	351	S	12.5
5,310	74	WSW	16.6	2,790	25	SSW	9.0	1,710	19	SSW	14.5	3,690	4	S	13.5
5,490	72	WSW	18.6	2,970	36	SW	9.2	1,890	18	SSW	14.2	3,870	14	SSW	14.2
5,670	73	WSW	23.3	3,150	46	SW	9.3	Disappearance: (?).				4,050	10	S	15.5
5,850	77	WSW	25.5	3,330	50	SW	9.7	No. 946. Jan. 8, 1935; 15h 55m. Clouds: 1 StCu SSW, Few FrCu SSW. Vis.: 8				4,230	16	SSW	15.5
6,030	80	W	25.5	3,510	49	SW	10.5	Surface	26	SSW	9.4	4,410	21	SSW	14.2
6,210	79	W	26.6	3,690	50	SW	11.2	216	25	SSW	13.3	4,590	25	SSW	13.5
6,390	80	W	29.0	3,870	52	SW	11.5	414	22	SSW	16.5	4,770	31	SSW	12.8
6,570	82	W	29.0	4,050	56	SW	10.9	612	23	SSW	16.0	4,950	32	SSW	13.5
6,750	82	W	28.0	4,230	62	WSW	11.5	801	28	SSW	15.0	5,130	27	SSW	14.2
Disappearance: Distance.				4,410	63	WSW	11.5	990	25	SSW	14.2	5,310	25	SSW	13.0
No. 940. Jan. 6, 1935; 15h 58m. Clouds: Few ACu SW. Vis.: 9				4,590	63	WSW	12.0	1,170	20	SSW	14.5	5,490	29	SSW	13.6
Surface	14	SSW	7.6	4,770	65	WSW	13.7	1,350	18	SSW	15.1	5,670	29	SSW	15.0
216	351	S	7.5	4,950	69	WSW	14.4	1,530	19	SSW	14.8	5,850	28	SSW	15.2
414	330	SSE	7.8	5,130	71	WSW	16.0	1,710	19	SSW	14.5	6,030	30	SSW	14.0
612	332	SSE	10.6	5,310	70	WSW	18.6	1,890	18	SSW	14.2	6,210	33	SSW	14.0
801	327	SSE	11.3	5,490	70	WSW	20.0	Disappearance: Distance.				6,390	32	SSW	17.0
990	320	SE	10.2	No. 942. Jan. 7, 1935; 9h 20m. Clouds: 10 St S. Vis.: 8				Surface	26	SSW	9.4	6,570	33	SSW	17.0
1,170	325	SE	8.8	Surface	354	S	7.6	216	25	SSW	13.3	6,750	35	SW	18.2
1,350	334	SSE	8.3	216	358	S	9.2	414	22	SSW	16.5	6,930	36	SW	20.2
1,530	337	SSE	8.1	414	357	S	10.5	612	24	SSW	17.0	7,110	38	SW	20.2
1,710	343	SSE	7.5	No. 943. Jan. 7, 1935; 21h 56m. Clouds: 9 St SSW. Vis.: 6				801	26	SSW	15.3	7,290	39	SW	20.6
1,890	357	S	7.2	Surface	37	SW	5.8	990	22	SSW	14.5	7,470	39	SW	20.9
2,070	5	S	7.4	216	21	SSW	9.6	1,170	19	SSW	14.3	7,650	40	SW	21.4
2,250	7	S	7.6	Disappearance: Entered St, 414 m.				1,350	19	SSW	14.9	7,830	39	SW	22.5
2,430	9	S	7.7	No. 944. Jan. 8, 1935; 8h 40m. Clouds: 7 StCu SSW. Vis.: 8				1,530	20	SSW	14.5	8,010	37	SW	21.0
2,610	19	SSW	7.8	Surface	37	SW	5.8	1,710	19	SSW	14.2	8,190	39	SW	21.4
2,790	30	SSW	7.7	216	21	SSW	9.6	1,890	20	SSW	13.5	8,370	37	SW	22.8
2,970	36	SW	8.5	Disappearance: Entered St, 216 m.				2,070	19	SSW	12.2	Disappearance: Distance.			
3,150	37	SW	9.1	No. 945. Jan. 8, 1935; 15h 55m. Clouds: 1 StCu SSW, Few FrCu SSW. Vis.: 8				2,250	21	SSW	13.2	No. 948. Jan. 9, 1935; 18h 23m. Clouds: Few St. S Vis.: 9			
3,330	43	SW	9.3	Surface	37	SW	5.8	2,430	24	SSW	14.0	Surface	353	S	2.7
3,510	54	SW	10.1	216	21	SSW	9.6	2,610	24	SSW	14.0	216	354	S	7.3
3,690	62	WSW	10.7	Disappearance: Distance.				2,790	26	SSW	15.0	414	354	S	7.2
3,870	64	WSW	10.7	No. 946. Jan. 8, 1935; 15h 55m. Clouds: 1 StCu SSW, Few FrCu SSW. Vis.: 8				2,970	29	SSW	16.0	612	2	S	6.6
4,050	63	WSW	11.2	Surface	37	SW	5.8	3,150	28	SSW	16.3	801	3	S	7.3
4,230	63	WSW	11.6	216	21	SSW	9.6	3,330	25	SSW	15.5	990	354	S	8.6
4,410	62	WSW	11.5	Disappearance: Distance.				3,510	24	SSW	14.1	1,170	355	S	9.5
4,590	64	WSW	12.0	No. 947. Jan. 9, 1935; 8h 50m. Clouds: 0. Vis.: 9				3,690	24	SSW	13.0	1,350	359	S	10.2
4,770	65	WSW	12.5	Surface	32	SSW	5.4	3,870	25	SSW	13.1	1,530	359	S	10.6
4,950	65	WSW	14.2	216	3	S	8.0	4,050	25	SSW	14.2	1,710	7	S	10.8
5,130	69	WSW	15.5	414	355	S	10.0	4,230	23	SSW	15.0	1,890	12	SSW	9.9
5,310	71	WSW	15.6	612	355	S	10.3	4,410	23	SSW	16.0	2,070	2	S	8.1
5,490	70	WSW	17.5	801	356	S	8.9	Disappearance: Distance.				2,250	355	S	7.1
5,670	72	WSW	20.0	990	31	SSW	13.4	No. 948. Jan. 9, 1935; 18h 23m. Clouds: Few St. S Vis.: 9				2,430	353	S	7.0
5,850	71	WSW	20.0	1,170	30	SSW	14.3	Surface	32	SSW	5.4	2,610	354	S	7.0
6,030	71	WSW	23.0	Disappearance: Distance.				216	3	S	8.0	2,790	2	S	7.1
6,210	71	WSW	25.2	No. 949. Jan. 9, 1935; 8h 50m. Clouds: 0. Vis.: 9				414	355	S	10.0	2,970	5	S	7.0
6,390	76	WSW	27.0	Surface	32	SSW	5.4	612	355	S	10.3	3,150	7	S	6.7
6,570	78	WSW	27.2	216	3	S	8.0	801	356	S	8.9	3,330	14	SSW	6.6
6,750	77	WSW	28.4	414	355	S	10.0	Disappearance: Distance.				3,510	16	SSW	7.0
6,930	78	WSW	30.0	612	355	S	10.3	No. 949. Jan. 9, 1935; 8h 50m. Clouds: 0. Vis.: 9				3,690	14	SSW	6.6
Disappearance: Distance.				990	31	SSW	13.4	Surface	32	SSW	5.4				
				1,170	30	SSW	14.3	216	3	S	8.0				

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind			Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.		Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 948—Continued				No. 950—Continued				No. 951—Continued				No. 955. Jan. 14, 1935; 9h 05m. Clouds: 10 St ESE. Vis.: 5			
3,870	18	SSW	6.0	990	180	N	5.3	2,610	267	E	4.4	Surface	292	ESE	3.6
4,050	19	SSW	6.5	1,170	183	N	4.5	2,790	273	E	4.2	216	291	ESE	3.9
4,230	19	SSW	6.0	1,350	216	NE	3.0	2,970	283	ESE	3.9	414	295	ESE	3.5
4,410	21	SSW	6.0	1,530	259	E	3.6	3,150	276	E	4.8	Disappearance: Entered St, 414 m.			
4,590	26	SSW	5.5	1,710	255	ENE	3.8	3,330	261	E	5.8	No. 956. Jan. 15, 1934; 8h 46m. Clouds: 10 St WNW. Vis.: 5			
4,770	28	SSW	6.0	1,890	248	ENE	4.3	3,510	256	ENE	6.2	Surface	334	SSE	2.2
4,950	29	SSW	8.5	2,070	251	ENE	5.0	3,690	250	ENE	6.8	216	14	SSW	1.8
5,130	31	SSW	10.2	2,250	258	ENE	6.0	3,870	240	ENE	7.4	414	98	W	2.5
5,310	37	SW	11.5	2,430	263	E	6.6	4,050	233	NE	8.1	612	104	WNW	3.5
5,490	40	SW	12.9	2,610	261	E	6.3	4,230	228	NE	9.8	706	105	WNW	3.5
5,670	38	SW	12.0	2,790	241	ENE	4.3	4,410	222	NE	11.4	Disappearance: Entered St, 706 m.			
5,850	41	SW	12.0	2,970	195	NNE	3.0	4,590	220	NE	11.6	No. 957. Jan. 16, 1935; 8h 33m. Clouds: 10 St SW. Vis.: 5			
6,030	45	SW	13.5	3,150	192	NNE	3.7	4,770	224	NE	10.7	Surface	52	SW	3.1
6,210	44	SW	14.8	3,330	219	NE	4.8	4,950	229	NE	9.8	216	52	SW	6.0
6,390	46	SW	15.2	3,510	235	NE	6.3	5,130	237	ENE	9.2	414	48	SW	6.3
6,570	48	SW	16.5	3,690	236	NE	7.0	5,310	238	ENE	9.6	Disappearance: Entered St, 414 m.			
6,750	42	SW	18.0	3,870	232	NE	7.0	5,490	232	NE	10.3	No. 958. Jan. 17, 1935; 8h 45m. Clouds: 10 St SSE. Vis.: 6			
6,930	38	SW	18.0	4,050	224	NE	6.0	5,670	235	NE	10.5	Surface	17	SSW	3.1
Disappearance: Distance.				4,230	203	NNE	7.9	5,850	235	NE	10.3	216	7	S	3.0
No. 949. Jan. 10, 1935; 9h 41m. Clouds: Few Ci NW, 1 St. W Vis.: 8				4,410	205	NNE	6.8	6,030	239	ENE	11.2	414	339	SSE	2.6
Surface	191	N	4.9	4,590	212	NNE	9.3	6,210	238	ENE	12.4	612	326	SE	3.6
216	166	NNW	4.5	4,770	210	NNE	9.3	6,390	243	ENE	12.8	801	324	SE	4.5
414	143	NW	5.5	4,950	218	NE	8.4	6,570	249	ENE	14.0	990	330	SSE	5.1
612	113	WNW	6.7	5,130	214	NE	9.2	6,750	250	ENE	15.4	1,170	338	SSE	6.0
801	94	W	7.8	5,310	207	NNE	9.6	6,930	255	ENE	15.0	1,350	345	SSE	7.6
990	87	W	9.1	5,490	214	NE	9.0	7,110	257	ENE	14.9	1,530	348	SSE	8.5
1,170	88	W	9.0	5,670	217	NE	9.8	7,290	254	ENE	15.4	Disappearance: Entered St, 1,530 m.			
1,350	92	W	7.9	5,850	223	NE	9.1	7,470	254	ENE	16.3	No. 959. Jan. 17, 1935; 20h 35m. Clouds: 5 StCu SE, 4 St SE. Vis.: 7			
1,530	87	W	7.5	6,030	232	NE	8.9	7,650	253	ENE	17.3	Surface	12	SSW	2.2
1,710	81	W	8.3	6,210	235	NE	9.5	7,830	251	ENE	17.8	216	12	SSW	4.3
1,890	82	W	8.5	6,390	231	NE	8.6	8,010	252	ENE	15.8	414	337	SSE	4.2
2,070	83	W	9.3	6,570	237	ENE	8.7	8,190	254	ENE	14.0	612	310	SE	4.5
2,250	84	W	10.2	6,750	248	ENE	7.8	Disappearance: Distance.				801	320	SE	3.7
2,430	86	W	10.5	6,930	259	E	7.5	No. 952. Jan. 12, 1935; 9h 55m. Clouds: 10 St ESE. Vis.: 6				990	324	SE	4.5
2,610	82	W	9.8	7,110	282	ESE	8.0	Surface	296	ESE	5.4	1,170	338	SSE	6.0
2,790	84	W	10.0	7,290	295	ESE	9.4	216	293	ESE	7.0	1,350	345	SSE	7.6
2,970	86	W	10.7	7,470	295	ESE	10.9	Disappearance: Entered St, 216 m.				1,530	348	SSE	8.5
3,150	80	W	9.8	7,650	297	ESE	12.2	No. 953. Jan. 12, 1935; 22h 15m. Clouds: 9 St S. Vis.: 7				Disappearance: Entered St, 1,170 m.			
3,330	77	WSW	7.0	7,830	298	ESE	11.9	Surface	18	SSW	5.4	No. 954. Jan. 13, 1935; 15h 32m. Clouds: 10 St SSE. Vis.: 5			
3,510	89	W	5.0	8,010	298	ESE	11.4	216	5	S	3.8	Surface	5	S	4.5
3,690	96	W	5.1	8,190	298	ESE	12.0	Disappearance: Entered St, 216 m.				216	345	SSE	4.0
3,870	93	W	6.0	8,370	298	ESE	12.0	No. 955. Jan. 12, 1935; 22h 15m. Clouds: 9 St S. Vis.: 7				315	333	SSE	3.5
4,050	91	W	5.2	8,550	296	ESE	10.9	Disappearance: Entered St, 216 m.				Disappearance: Entered St, 315 m.			
4,230	84	W	4.5	8,730	281	E	9.0	No. 956. Jan. 11, 1935; 13h 30m. Clouds: 1 Ast E, Few ACu E. Vis.: 9				Disappearance: Entered St, 1,170 m.			
4,410	88	W	5.0	8,910	269	E	7.8	Surface	281	E	6.3	No. 957. Jan. 11, 1935; 8h 30m. Clouds: 7 ACu ENE, 1 Ast ENE, 1 StCu NNE. Vis.: 8			
4,590	94	W	5.0	9,090	267	E	6.3	216	281	E	8.0	rface	267	E	2.9
4,770	102	WNW	5.0	9,270	265	E	4.7	414	282	ESE	5.7	Su 216	251	ENE	5.8
4,950	104	WNW	6.1	9,450	263	E	4.3	612	301	ESE	4.0	414	241	ENE	4.0
5,130	91	W	6.5	Disappearance: Cut off by Ast.				990	310	SE	3.4	612	208	NNE	3.9
5,310	81	W	7.0	No. 951. Jan. 11, 1935; 13h 30m. Clouds: 1 Ast E, Few ACu E. Vis.: 9				1,170	226	NE	2.2	801	180	N	4.3
Disappearance: Background (blue sky).				Surface	281	E	6.3	1,350	225	NE	4.2	Disappearance: Entered St, 1,170 m.			
No. 950. Jan. 11, 1935; 8h 30m. Clouds: 7 ACu ENE, 1 Ast ENE, 1 StCu NNE. Vis.: 8				414	282	ESE	5.7	1,530	229	NE	5.9	No. 958. Jan. 17, 1935; 20h 35m. Clouds: 5 StCu SE, 4 St SE. Vis.: 7			
rface				612	301	ESE	4.0	1,710	228	NE	7.2	Surface	12	SSW	2.2
Su 216				990	293	ESE	1.7	1,890	228	NE	7.0	216	12	SSW	4.3
414				1,170	226	NE	2.2	2,070	238	ENE	5.7	414	337	SSE	4.2
612				1,350	225	NE	4.2	2,250	259	E	5.0	612	310	SE	4.5
801				1,530	229	NE	5.9	2,430	269	E	4.5	801	320	SE	3.7
				1,710	228	NE	7.2	Disappearance: Entered St, 315 m.				990	322	SE	3.6
				1,890	228	NE	7.0	No. 959. Jan. 17, 1935; 20h 35m. Clouds: 5 StCu SE, 4 St SE. Vis.: 7				1,170	306	SE	3.5
				2,070	238	ENE	5.7	Disappearance: Entered St, 1,170 m.							
				2,250	259	E	5.0								
				2,430	269	E	4.5								

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 960. Jan. 18, 1935; 8h 50m. Clouds: 1 StCu NE, 9 St NE. Vis.: 7			
Surface	31	SSW	1.5
216	295	ESE	2.0
414	265	E	3.9
612	261	E	3.7
801	243	ENE	3.5
990	224	NE	4.0
1,170	222	NE	4.0
1,350	224	NE	4.5
1,530	232	NE	8.0
1,620	236	NE	11.2
Disappearance: Entered St 1,620 m.			
No. 961. Jan. 19, 1935; 9h 10m. Clouds: 4 StCu NE, 6 St NE. Vis.: 6. Lt. drift			
Surface	279	E	7.6
216	259	E	8.7
414	224	NE	6.1
612	194	NNE	5.0
801	211	NNE	5.4
990	216	NE	5.1
1,170	222	NE	4.4
1,350	226	NE	3.5
1,530	227	NE	3.6
1,710	226	NE	3.7
Disappearance: Entered St, 1,710 m. Intermittent snow.			
No. 962. Jan. 19, 1935; 20h 30m. Clouds: 9 St ENE. Vis.: 8			
Surface	289	ESE	5.8
216	280	E	5.5
414	269	E	5.8
612	267	E	6.0
801	258	ENE	5.7
990	251	ENE	6.0
Disappearance: Entered St, 990 m.			
No. 963. Jan. 20, 1935; 9h 02m. Clouds: 1 Ast ESE, 2 StCu E. Vis.: 8			
Surface	280	E	8.5
216	269	E	9.0
414	260	E	7.7
612	260	E	6.3
801	272	E	3.7
990	298	ESE	4.0
1,170	297	ESE	4.4
1,350	293	ESE	4.0
1,530	295	ESE	4.2
1,710	288	ESE	5.0
1,890	281	E	5.7
2,070	278	E	6.5
2,250	284	ESE	7.2
2,430	292	ESE	7.8

TABLE 27.—Results of pilot balloon ascents at Little America—Continued

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 971. Jan. 25, 1935; 20h 25m. Clouds: 10 St NE. Vis.: 7. Very lt. drift			
Surface	283	ESE	8.9
216	255	ENE	12.0
414	238	ENE	14.7
612	238	ENE	17.0
801	239	ENE	16.5
990	236	NE	15.0
1,170	234	NE	14.0
1,350	233	NE	13.8
Disappearance: Entered St, 1,350 m.			
No. 972. Jan. 27, 1935; 13h 28m. Clouds: 10 St NNE. Vis.: 7			
Surface	227	NE	7.6
216	218	NE	7.1
315	206	NNE	10.5
Disappearance: Entered St. 315 m. The wind has continued northerly aloft for several days.			
No. 973. Jan. 28, 1935; 9h 12m. Clouds: 10 St. ENE. Vis.: 8			
Surface	292	ESE	6.7
216	266	E	5.5
414	243	ENE	5.5
612	244	ENE	6.5
801	246	ENE	7.1
Disappearance: Entered St. 801 m.			
No. 974. Jan. 28, 1935; 14h 17m. Clouds: 10 St ESE. Vis.: 6. Snowing			
Surface	272	E	5.4
216	260	E	8.1
414	238	ENE	7.8

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 974—Continued			
612	239	ENE	5.7
801	272	E	3.8
990	294	ESE	5.0
1,080	292	ESE	6.0
Disappearance: Entered St. 1,080 m.			
No. 975. Jan. 29, 1935; 8h 30m. Clouds: 10 St NE. Vis.: 7. Snowing.			
Surface	223	NE	7.2
216	222	NE	8.1
Disappearance: Entered St, 216 m.			
No. 976. Jan. 30, 1935; 12h 50m. Clouds: 10 St NE. Vis.: 6. Lt. snow.			
Surface	233	NE	4.0
216	227	NE	8.6
414	229	NE	7.5
612	222	NE	5.9
801	226	NE	6.0
990	219	NE	5.3
1,170	208	NNE	4.5
1,350	217	NE	4.4
1,530	227	NE	5.0
Disappearance: Entered St, 1,530 m.			
No. 977. Jan. 30, 1935; 17h 30m. Clouds: 10 St NNE. Vis.: 5. Lt. snow.			
Surface	239	ENE	1.8
216	219	NE	5.5
414	213	NNE	5.5
Disappearance: Entered St, 414 m.			

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 978. Jan. 30, 1935; 20h 25m. Clouds: —			
Surface	242	ENE	3.1
216	231	NE	4.5
414	228	NE	3.7
612	228	NE	3.6
801	230	NE	3.7
990	231	NE	4.3
1,170	227	NE	4.2
1,350	230	NE	2.2
1,530	344	SSE	1.6
1,710	334	SSE	3.5
1,890	0	S	4.6
2,070	358	S	4.8
2,250	12	SSW	4.4
2,430	25	SSW	4.6
2,610	42	SW	5.0
2,790	48	SW	4.5
Disappearance: (?).			
No. 979. Jan. 31, 1935; 8h 42m. Clouds: 10 St. NNW. Vis.: 8. Lt. snow.			
Surface	225	NE	2.7
216	200	NNE	4.7
414	180	N	4.2
612	167	NNW	4.0
801	164	NNW	3.6
990	161	NNW	3.5
1,170	158	NNW	3.6
Disappearance: Entered St, 1,170 m.			
No. 980. Jan. 31, 1935; 13h 30m. Clouds: 10 St. NNE. Vis.: 8.			
Surface	208	NNE	4.3
216	198	NNE	6.5
414	194	NNE	4.5
612	195	NNE	3.6
Disappearance: Entered St. 612 m.			

Altitude m.	Wind		
	Azimuth 0°=S 90°=W	Direction	Velocity m. p. s.
No. 981. Feb. 1, 1935; 9h 40m. Clouds: 10 St NNE			
Surface	275	E	1.8
216	292	ESE	3.1
414	300	ESE	2.7
612	269	E	1.5
801	213	NNE	1.6
990	198	NNE	2.4
Disappearance: Entered St, 990 m.			
No. 982. Feb. 1, 1935; 14h 48m. Clouds: 10 St E. Vis.: 7. Lt. snow			
Surface	256	ENE	3.1
216	226	NE	6.6
414	209	NNE	6.3
612	206	NNE	7.2
801	210	NNE	8.5
990	237	ENE	9.0
1,170	263	E	9.0
Disappearance: Entered St, 1,170 m.			
No. 983. Feb. 2, 1935; 10h. Clouds: 2 Ast, 6 St (?) ESE. Vis.: 8			
Surface	336	SSE	1.5
216	330	SSE	4.7
414	309	SE	7.8
612	303	ESE	8.9
801	300	ESE	9.0
990	299	ESE	8.2
1,170	300	ESE	6.5
1,350	309	SE	6.1
1,530	314	SE	6.2
Disappearance: Cut off by thin St. There are apparently no Ci clds. 22° solar halo.			

TABLE 28.—Pressure—hourly values, Little America

JANUARY 1929

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.63	29.62	29.62	29.62	29.62	29.62	29.63	29.64	29.63	29.62	29.63	29.62	29.61	29.61	29.60	29.60	29.60	29.60	29.60	29.62	29.61	29.62	29.62	29.63	29.618
2	29.63	29.63	29.63	29.63	29.62	29.62	29.61	29.61	29.62	29.63	29.63	29.63	29.63	29.63	29.64	29.64	29.65	29.66	29.66	29.67	29.69	29.70	29.71	29.71	29.645
3	29.71	29.72	29.72	29.73	29.74	29.75	29.75	29.76	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.78	29.77	29.77	29.77	29.76	29.76	29.75	29.75	29.75	29.755
4	29.76	29.74	29.73	29.72	29.71	29.72	29.72	29.71	29.72	29.71	29.70	29.69	29.68	29.67	29.67	29.67	29.66	29.65	29.65	29.65	29.65	29.68	29.67	29.67	29.697
5	29.68	29.68	29.68	29.67	29.67	29.67	29.67	29.67	29.66	29.66	29.66	29.66	29.65	29.64	29.63	29.63	29.63	29.63	29.62	29.62	29.62	29.62	29.61	29.61	29.645
6	29.67	29.67	29.67	29.67	29.68	29.68	29.67	29.67	29.66	29.66	29.66	29.66	29.65	29.64	29.63	29.63	29.63	29.63	29.62	29.62	29.62	29.62	29.61	29.61	29.628
7	29.61	29.62	29.61	29.60	29.59	29.58	29.58	29.58	29.57	29.57	29.56	29.55	29.53	29.52	29.51	29.50	29.48	29.46	29.46	29.45	29.45	29.44	29.44	29.44	29.528
8	29.45	29.45	29.45	29.45	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.528
9	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.620
10	29.51	29.50	29.47	29.45	29.43	29.40	29.39	29.38	29.37	29.36	29.35	29.34	29.33	29.32	29.32	29.32	29.32	29.33	29.34	29.35	29.35	29.39	29.39	29.38	29.379
11	29.38	29.38	29.39	29.40	29.41	29.41	29.42	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.600
12	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.600
13	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.474
14	29.47	29.48	29.49	29.49	29.48	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.49	29.484
15	29.49	29.51	29.51	29.51	29.51	29.51	29.52	29.52	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.566
16	29.64	29.65	29.65	29.64	29.63	29.63	29.63	29.61	29.61	29.60	29.59	29.57	29.56	29.55	29.54	29.53	29.51	29.51	29.52	29.52	29.52	29.52	29.52	29.52	29.555
17	29.41	29.39	29.39	29.36	29.35	29.34	29.33	29.31	29.30	29.29	29.28	29.26	29.25	29.24	29.23	29.22	29.21	29.20	29.18	29.17	29.16	29.15	29.14	29.13	29.264
18	29.11	29.10	29.08	29.07	29.05	29.03	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.030
19	29.03	29.03	29.07	29.07	29.08	29.10	29.11	29.12	29.13	29.14	29.16	29.18	29.20	29.21	29.21	29.22	29.22	29.22	29.23	29.24	29.25	29.26	29.26	29.26	29.167
20	29.27	29.28	29.28	29.29	29.29	29.30	29.31	29.33	29.35	29.37	29.39	29.42	29.44	29.45	29.46	29.47	29.48	29.49	29.49	29.49	29.49	29.50	29.50	29.50	29.402
21	29.51	29.52	29.52	29.52	29.53	29.53	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.513
22	29.46	29.45	29.45	29.45	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.46	29.403
23	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.345
24	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.344
25	29.30	29.30	29.28	29.28	29.26	29.25	29.25	29.23	29.21	29.20	29.19	29.18	29.15	29.14	29.12	29.11	29.10	29.10	29.10	29.10	29.10	29.10	29.10	29.10	29.177
26	29.11	29.09	29.06	29.05	29.04	29.03	29.02	29.02	29.01	29.01	29.01	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.043
27	29.11	29.13	29.13	29.14	29.16	29.19	29.20	29.20	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.270
28	29.39	29.40	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.41	29.308
29	29.02	29.00	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.046
30	29.29	29.31	29.32	29.33	29.34	29.35	29.36	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.330
31	29.24	29.22	29.19	29.17	29.14	29.12	29.10	29.08	29.06	29.05	29.03	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.066
Mean	29.431	29.431	29.429	29.426	29.424	29.423	29.422	29.420	29.419	29.418	29.418	29.419	29.416	29.415	29.414	29.415	29.413	29.413	29.413	29.411	29.412	29.415	29.413	29.412	29.419

FEBRUARY 1929

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Day.....	29.02	29.01	29.01	29.01	29.01	29.02	29.02	29.03	29.03	29.03	29.04	29.04	29.02	29.02	29.03	29.02	29.01	29.01	29.01	29.01	29.02	29.03	29.04	29.04	29.04	29.022
1.....	29.05	29.06	29.06	29.07	29.09	29.10	29.11	29.12	29.14	29.15	29.17	29.18	29.18	29.19	29.20	29.21	29.23	29.23	29.24	29.24	29.25	29.25	29.27	29.28	29.170	
2.....	29.29	29.29	29.30	29.32	29.33	29.33	29.35	29.36	29.36	29.36	29.36	29.35	29.34	29.33	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.32	29.34	29.35	29.327	
3.....	29.37	29.38	29.39	29.39	29.40	29.40	29.40	29.41	29.39	29.40	29.40	29.40	29.40	29.40	29.39	29.37	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.361	
4.....	29.24	29.23	29.22	29.20	29.19	29.19	29.17	29.16	29.14	29.13	29.13	29.12	29.10	29.09	29.09	29.08	29.07	29.07	29.07	29.07	29.08	29.09	29.09	29.10	29.130	
5.....	29.10	29.10	29.11	29.11	29.11	29.12	29.13	29.13	29.15	29.16	29.17	29.18	29.19	29.21	29.22	29.23	29.24	29.27	29.29	29.29	29.30	29.31	29.33	29.33	29.198	
6.....	29.34	29.34	29.35	29.35	29.35	29.36	29.36	29.36	29.37	29.37	29.37	29.37	29.36	29.35	29.33	29.31	29.29	29.27	29.26	29.26	29.27	29.28	29.29	29.31	29.310	
7.....	29.14	29.11	29.09	29.07	29.06	29.05	29.05	29.03	29.03	29.02	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.003	
8.....	29.91	29.90	29.89	29.89	29.90	29.90	29.91	29.91	29.92	29.93	29.94	29.94	29.94	29.95	29.95	29.96	29.97	29.98	29.98	29.98	29.98	29.99	29.99	29.99	29.943	
9.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
10.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
11.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
12.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
13.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
14.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
15.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
16.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
17.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
18.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
19.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
20.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
21.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
22.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
23.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
24.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
25.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
26.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
27.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
28.....	29.01	29.02	29.03	29.03	29.03	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.019	
Mean.....	29.190	29.186	29.184	29.183	29.183	29.186	29.193	29.199	29.203	29.204	29.208	29.207	29.205	29.204	29.199	29.196	29.196	29.196	29.196	29.199	29.200	29.201	29.203	29.204	29.201	29.197

TABLE 28.—Pressure—hourly values, Little America—Continued

MARCH 1929

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.32	29.32	29.33	29.34	29.35	29.37	29.39	29.40	29.41	29.42	29.43	29.43	29.43	29.44	29.45	29.46	29.47	29.48	29.49	29.50	29.51	29.52	29.52	29.51	29.425
2	29.50	29.50	29.50	29.50	29.49	29.50	29.50	29.49	29.49	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.48	29.458
3	29.41	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.376
4	29.35	29.34	29.34	29.34	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.346
5	29.41	29.41	29.41	29.42	29.43	29.44	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.429
6	29.35	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.403
7	29.08	29.08	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.073
8	29.22	29.22	29.22	29.22	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.424
9	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.234
10	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.308
11	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.348
12	29.47	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.227
13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.108
14	29.79	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.76	29.827
15	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.865
16	29.45	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.217
17	29.64	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.63	29.589
18	29.31	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.487
19	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.252
20	29.24	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.147
21	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.104
22	29.02	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.878
23	29.78	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.77	29.809
24	29.19	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.833
25	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.314
26	29.17	29.14	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.005
27	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.826
28	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.70	29.865
29	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.122
30	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.109
31	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.109
Mean	29.192	29.186	29.182	29.180	29.179	29.182	29.187	29.191	29.195	29.199	29.200	29.202	29.198	29.193	29.190	29.188	29.186	29.186	29.186	29.185	29.188	29.192	29.194	29.193	29.193

APRIL, 1929
[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
<i>Day</i>																									
1	29.19	29.18	29.18	29.17	29.17	29.17	29.17	29.17	29.16	29.15	29.15	29.14	29.14	29.12	29.11	29.10	29.08	29.06	29.05	29.03	29.02	29.02	29.01	29.01	29.01
2	29.00	29.08	29.07	29.07	29.06	29.06	29.06	29.05	29.05	29.05	29.05	29.04	29.04	29.03	29.03	29.02	29.02	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01
3	29.29	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28
4	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25
5	29.35	29.34	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32
6	29.26	29.25	29.25	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24
7	29.33	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31
8	29.41	29.40	29.39	29.38	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37
9	29.07	29.08	29.09	29.12	29.15	29.18	29.20	29.21	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22
10	29.19	29.17	29.14	29.12	29.11	29.10	29.08	29.08	29.08	29.07	29.07	29.05	29.05	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04
11	29.07	29.08	29.09	29.12	29.15	29.18	29.20	29.21	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22
12	29.19	29.17	29.14	29.12	29.11	29.10	29.08	29.08	29.08	29.07	29.07	29.05	29.05	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04
13	29.07	29.08	29.09	29.12	29.15	29.18	29.20	29.21	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22
14	29.46	29.48	29.48	29.48	29.47	29.48	29.49	29.49	29.51	29.54	29.57	29.59	29.62	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64	29.64
15	29.64	29.64	29.64	29.63	29.63	29.63	29.63	29.63	29.62	29.62	29.61	29.61	29.61	29.61	29.61	29.61	29.61	29.61	29.61	29.61	29.61	29.61	29.61	29.61	29.61
16	29.53	29.52	29.50	29.49	29.49	29.49	29.49	29.49	29.50	29.50	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51
17	29.48	29.49	29.50	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51	29.51
18	29.73	29.73	29.71	29.71	29.71	29.72	29.73	29.75	29.75	29.75	29.75	29.74	29.73	29.73	29.73	29.73	29.73	29.73	29.73	29.73	29.73	29.73	29.73	29.73	29.73
19	29.63	29.60	29.60	29.61	29.61	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60
20	29.45	29.44	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43
21	29.40	29.38	29.37	29.35	29.35	29.36	29.36	29.35	29.34	29.33	29.32	29.31	29.30	29.28	29.27	29.25	29.23	29.22	29.21	29.20	29.19	29.19	29.18	29.16	29.15
22	29.15	29.14	29.13	29.12	29.12	29.13	29.13	29.13	29.13	29.13	29.12	29.12	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11	29.11
23	29.10	29.11	29.12	29.12	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13
24	29.23	29.22	29.22	29.20	29.18	29.18	29.18	29.18	29.15	29.12	29.09	29.07	29.05	29.04	29.03	29.03	29.03	29.03	29.03	29.03	29.03	29.03	29.03	29.03	29.03
25	29.83	29.81	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80	29.80
26	29.85	29.84	29.84	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85	29.85
27	29.09	29.09	29.08	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09
28	29.19	29.19	29.18	29.18	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19
29	29.38	29.37	29.35	29.34	29.34	29.33	29.32	29.32	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33
30	29.23	29.23	29.23	29.22	29.21	29.22	29.24	29.26	29.27	29.28	29.28	29.27	29.26	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25
Mean	29.267	29.259	29.253	29.250	29.251	29.255	29.260	29.267	29.271	29.278	29.280	29.280	29.280	29.277	29.276	29.277	29.277	29.275	29.274	29.274	29.276	29.281	29.277	29.270	29.270

AUGUST 1929

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
1.	29.41	29.39	29.38	29.38	29.38	29.38	29.40	29.41	29.41	29.42	29.42	29.42	29.43	29.44	29.44	29.44	29.44	29.44	29.45	29.45	29.45	29.44	29.44	29.43	29.420
2.	29.43	29.42	29.42	29.41	29.41	29.40	29.39	29.39	29.39	29.38	29.38	29.38	29.37	29.37	29.37	29.37	29.37	29.36	29.35	29.35	29.35	29.34	29.34	29.34	29.378
3.	29.34	29.35	29.35	29.35	29.35	29.34	29.34	29.34	29.34	29.34	29.34	29.34	29.35	29.35	29.35	29.35	29.35	29.35	29.35	29.34	29.34	29.32	29.31	29.30	29.339
4.	29.26	29.26	29.23	29.21	29.18	29.16	29.14	29.14	29.13	29.10	29.07	29.06	29.06	29.04	29.03	29.03	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.070
5.	29.89	29.90	29.89	29.91	29.92	29.93	29.93	29.94	29.95	29.96	29.97	29.98	29.99	29.99	29.99	29.99	29.99	29.99	29.99	29.99	29.99	29.99	29.99	29.99	29.025
6.	29.30	29.33	29.36	29.38	29.40	29.42	29.43	29.44	29.45	29.46	29.47	29.48	29.49	29.50	29.51	29.52	29.53	29.54	29.55	29.56	29.57	29.58	29.59	29.60	29.616
7.	29.61	29.60	29.59	29.59	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.666
8.	29.51	29.50	29.48	29.47	29.47	29.46	29.45	29.44	29.43	29.42	29.41	29.40	29.39	29.38	29.37	29.36	29.35	29.34	29.33	29.32	29.31	29.30	29.29	29.28	29.378
9.	29.24	29.23	29.22	29.20	29.18	29.16	29.15	29.14	29.13	29.12	29.11	29.10	29.09	29.08	29.07	29.06	29.05	29.04	29.03	29.02	29.01	29.00	29.00	29.00	29.079
10.	29.04	29.06	29.07	29.09	29.10	29.11	29.12	29.13	29.14	29.15	29.16	29.17	29.18	29.19	29.20	29.21	29.22	29.23	29.24	29.25	29.26	29.27	29.28	29.29	29.102
11.	29.19	29.19	29.19	29.18	29.18	29.17	29.16	29.16	29.16	29.16	29.16	29.17	29.17	29.17	29.17	29.17	29.17	29.17	29.17	29.17	29.17	29.17	29.17	29.17	29.174
12.	29.24	29.26	29.27	29.28	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.248
13.	29.03	29.09	29.06	29.03	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.890
14.	29.09	29.01	29.03	29.04	29.05	29.05	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.184
15.	29.27	29.24	29.19	29.12	29.08	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.832
16.	28.40	28.30	28.21	28.14	28.07	28.05	27.98	27.96	27.91	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.997
17.	28.07	28.12	28.15	28.18	28.23	28.31	28.38	28.44	28.48	28.51	28.55	28.57	28.61	28.61	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.434
18.	28.42	28.41	28.43	28.44	28.47	28.58	28.71	28.86	28.94	28.96	28.99	29.03	29.08	29.13	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.14	29.14	28.979
19.	29.44	29.45	29.46	29.51	29.53	29.55	29.59	29.62	29.65	29.68	29.70	29.72	29.74	29.75	29.77	29.80	29.82	29.82	29.83	29.83	29.84	29.84	29.85	29.84	29.694
20.	29.85	29.84	29.83	29.84	29.84	29.83	29.81	29.82	29.81	29.80	29.79	29.77	29.76	29.75	29.73	29.74	29.73	29.74	29.72	29.71	29.70	29.69	29.69	29.69	29.769
21.	29.64	29.61	29.58	29.55	29.52	29.50	29.47	29.45	29.43	29.40	29.39	29.38	29.37	29.36	29.35	29.33	29.31	29.30	29.29	29.28	29.26	29.25	29.24	29.23	29.365
22.	29.21	29.20	29.19	29.17	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.16	29.154
23.	29.17	29.18	29.17	29.17	29.16	29.17	29.18	29.18	29.17	29.16	29.16	29.15	29.15	29.14	29.14	29.13	29.13	29.13	29.12	29.10	29.09	29.10	29.08	29.08	29.141
24.	29.07	29.06	29.05	29.04	29.04	29.03	29.02	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.044
25.	28.78	28.77	28.76	28.75	28.75	28.74	28.73	28.72	28.72	28.72	28.72	28.73	28.73	28.73	28.73	28.74	28.74	28.75	28.76	28.77	28.77	28.78	28.79	28.79	28.749
26.	28.79	28.79	28.79	28.80	28.80	28.81	28.82	28.83	28.83	28.83	28.83	28.84	28.84	28.85	28.86	28.87	28.88	28.89	28.90	28.90	28.90	28.91	28.92	28.92	28.860
27.	28.92	28.93	28.92	28.92	28.92	28.92	28.93	28.94	28.95	28.96	28.97	28.98	28.99	29.00	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	28.945
28.	28.98	28.98	28.97	28.96	28.95	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.917
29.	28.82	28.82	28.82	28.82	28.81	28.80	28.81	28.83	28.83	28.84	28.84	28.85	28.87	28.89	28.90	28.92	28.93	28.95	28.96	28.97	28.98	28.99	29.00	29.01	28.894
30.	29.06	29.07	29.08	29.08	29.08	29.07	29.08	29.08	29.08	29.08	29.07	29.07	29.06	29.05	29.03	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.028
31.	28.86	28.84	28.83	28.82	28.80	28.79	28.79	28.78	28.77	28.77	28.76	28.76	28.77	28.77	28.76	28.76	28.76	28.76	28.77	28.77	28.77	28.77	28.79	28.79	28.784
Mean	29.102	29.097	29.090	29.085	29.082	29.081	29.085	29.085	29.093	29.089	29.089	29.092	29.096	29.098	29.097	29.099	29.099	29.098	29.099	29.097	29.095	29.093	29.089	29.084	29.083

TABLE 28.—Pressure—hourly values, Little America—Continued

SEPTEMBER 1929

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day.....																									
1.....	28.79	28.80	28.81	28.81	28.81	28.82	28.83	28.85	28.84	28.84	28.85	28.85	28.86	28.87	28.87	28.89	28.89	28.91	28.92	28.93	28.94	28.95	28.95	28.96	28.868
2.....	28.96	28.97	28.97	28.98	28.98	28.97	28.98	28.99	29.00	29.00	29.00	29.00	29.02	29.04	29.04	29.05	29.05	29.06	29.06	29.07	29.08	29.09	29.09	29.10	29.023
3.....	29.10	29.11	29.12	29.12	29.13	29.14	29.15	29.16	29.17	29.18	29.18	29.19	29.21	29.23	29.23	29.24	29.25	29.26	29.27	29.28	29.29	29.30	29.32	29.33	29.206
4.....	29.33	29.34	29.34	29.34	29.34	29.34	29.35	29.35	29.36	29.36	29.36	29.37	29.38	29.39	29.40	29.41	29.42	29.43	29.45	29.47	29.48	29.50	29.52	29.54	29.397
5.....	29.56	29.58	29.59	29.60	29.60	29.60	29.61	29.63	29.64	29.65	29.66	29.68	29.69	29.69	29.69	29.69	29.70	29.72	29.74	29.75	29.76	29.77	29.78	29.78	29.673
6.....	29.79	29.79	29.79	29.79	29.78	29.78	29.79	29.79	29.79	29.79	29.80	29.81	29.82	29.82	29.82	29.82	29.83	29.84	29.85	29.85	29.85	29.86	29.86	29.86	29.815
7.....	29.86	29.86	29.85	29.84	29.83	29.82	29.81	29.81	29.80	29.78	29.76	29.74	29.73	29.72	29.71	29.69	29.68	29.66	29.63	29.61	29.61	29.61	29.61	29.61	29.727
8.....	29.52	29.50	29.47	29.44	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.41	29.41	29.42	29.43	29.43	29.44	29.44	29.44	29.44	29.43	29.43	29.427
9.....	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.41	29.41	29.40	29.39	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.393
10.....	29.24	29.21	29.18	29.18	29.17	29.16	29.14	29.12	29.11	29.09	29.06	29.02	29.00	28.97	28.93	28.89	28.86	28.84	28.82	28.80	28.78	28.76	28.74	28.73	28.697
11.....	28.73	28.72	28.71	28.69	28.68	28.67	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.69	28.70	28.71	28.71	28.72	28.72	28.73	28.73	28.73	28.699
12.....	28.72	28.71	28.71	28.71	28.70	28.70	28.69	28.70	28.71	28.73	28.75	28.77	28.79	28.82	28.84	28.86	28.89	28.92	28.96	28.96	28.99	29.02	29.04	29.06	28.824
13.....	29.08	29.10	29.11	29.13	29.14	29.15	29.17	29.17	29.17	29.17	29.18	29.19	29.19	29.19	29.19	29.20	29.20	29.21	29.23	29.24	29.25	29.26	29.28	29.30	29.187
14.....	29.31	29.32	29.33	29.34	29.34	29.35	29.37	29.39	29.40	29.40	29.42	29.43	29.43	29.43	29.43	29.43	29.44	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.397
15.....	29.41	29.41	29.40	29.38	29.37	29.37	29.37	29.36	29.34	29.32	29.31	29.30	29.28	29.26	29.24	29.23	29.21	29.19	29.16	29.15	29.12	29.10	29.08	29.06	28.967
16.....	29.05	29.03	29.01	28.99	28.98	28.97	28.97	28.95	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.95	28.95	28.95	28.94	28.94	28.94	28.95	28.95	28.96	28.900
17.....	28.96	28.97	28.97	28.97	28.97	28.97	28.97	28.98	29.00	29.01	29.01	29.00	28.99	28.98	28.97	28.95	28.92	28.90	28.89	28.88	28.88	28.88	28.88	28.88	28.917
18.....	28.57	28.53	28.47	28.41	28.38	28.38	28.38	28.35	28.31	28.26	28.15	28.14	28.12	28.09	28.08	28.08	28.08	28.08	28.07	28.05	28.06	28.08	28.09	28.09	28.192
19.....	28.10	28.11	28.13	28.14	28.16	28.19	28.21	28.24	28.27	28.30	28.33	28.36	28.39	28.42	28.45	28.49	28.51	28.54	28.56	28.58	28.60	28.61	28.62	28.64	28.373
20.....	28.65	28.66	28.66	28.66	28.66	28.67	28.68	28.69	28.70	28.71	28.73	28.74	28.75	28.75	28.76	28.76	28.77	28.77	28.77	28.77	28.77	28.77	28.78	28.79	28.726
21.....	28.79	28.79	28.78	28.78	28.78	28.78	28.79	28.78	28.77	28.76	28.75	28.74	28.73	28.71	28.69	28.66	28.63	28.60	28.55	28.50	28.48	28.46	28.44	28.44	28.601
22.....	28.91	28.92	28.91	28.92	28.92	28.92	28.92	28.93	28.93	28.93	28.94	28.94	28.93	28.91	28.88	28.82	28.75	28.66	28.55	28.44	28.33	28.22	28.11	28.01	28.819
23.....	28.90	28.89	28.85	28.83	28.81	28.78	28.75	28.73	28.71	28.70	28.68	28.67	28.66	28.65	28.63	28.61	28.60	28.59	28.58	28.57	28.56	28.56	28.55	28.54	28.683
24.....	28.54	28.55	28.56	28.56	28.56	28.56	28.55	28.54	28.54	28.54	28.53	28.52	28.50	28.48	28.46	28.44	28.45	28.45	28.44	28.44	28.44	28.44	28.44	28.44	28.601
25.....	28.44	28.44	28.45	28.45	28.45	28.46	28.46	28.47	28.49	28.51	28.53	28.55	28.57	28.58	28.60	28.62	28.64	28.66	28.67	28.69	28.71	28.72	28.74	28.76	28.609
26.....	28.76	28.76	28.77	28.78	28.78	28.78	28.80	28.81	28.82	28.83	28.83	28.84	28.85	28.85	28.84	28.83	28.83	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.820
27.....	28.85	28.85	28.85	28.85	28.84	28.84	28.84	28.84	28.84	28.83	28.82	28.81	28.79	28.78	28.77	28.75	28.75	28.75	28.74	28.74	28.73	28.73	28.73	28.73	28.703
28.....	28.70	28.69	28.69	28.68	28.68	28.68	28.67	28.67	28.66	28.66	28.65	28.64	28.63	28.62	28.61	28.59	28.58	28.57	28.56	28.55	28.54	28.54	28.54	28.620	
29.....	28.73	28.72	28.71	28.70	28.69	28.68	28.67	28.66	28.65	28.64	28.62	28.61	28.59	28.58	28.57	28.56	28.55	28.54	28.53	28.52	28.51	28.50	28.49	28.48	28.620
30.....	28.54	28.54	28.54	28.54	28.54	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.54	28.54	28.55	28.55	28.56	28.57	28.59	28.61	28.643
Mean.....	28.977	28.976	28.972	28.968	28.960	28.961	28.961	28.962	28.962	28.960	28.962	28.964	28.965	28.964	28.963	28.964	28.966	28.968	28.970	28.973	28.974	28.974	28.975	28.975	28.967

OCTOBER 1929
[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Day																										
1.....	28.02	28.03	28.03	28.03	28.03	28.03	28.03	28.03	28.03	28.03	28.04	28.04	28.03	28.04	28.05	28.06	28.05	28.04	28.05	28.06	28.06	28.08	28.09	28.09	28.09	28.045
2.....	28.70	28.72	28.73	28.74	28.75	28.76	28.77	28.78	28.78	28.79	28.82	28.83	28.84	28.84	28.84	28.85	28.86	28.86	28.87	28.88	28.88	28.88	28.90	28.91	28.816	
3.....	28.91	28.93	28.93	28.93	28.93	28.92	28.92	28.92	28.92	28.91	28.91	28.90	28.89	28.88	28.88	28.87	28.86	28.85	28.84	28.83	28.81	28.79	28.78	28.77	28.873	
4.....	28.76	28.76	28.75	28.73	28.71	28.71	28.70	28.69	28.68	28.67	28.66	28.64	28.63	28.63	28.62	28.61	28.60	28.59	28.59	28.58	28.57	28.57	28.58	28.57	28.660	
5.....	28.56	28.55	28.54	28.53	28.52	28.51	28.52	28.52	28.51	28.50	28.48	28.47	28.46	28.45	28.44	28.43	28.42	28.41	28.39	28.38	28.37	28.35	28.34	28.33	28.457	
6.....	28.32	28.31	28.31	28.30	28.29	28.30	28.30	28.30	28.30	28.32	28.33	28.33	28.33	28.33	28.34	28.35	28.35	28.35	28.35	28.35	28.35	28.36	28.36	28.36	28.325	
7.....	28.33	28.33	28.33	28.32	28.31	28.30	28.30	28.30	28.31	28.31	28.32	28.32	28.33	28.33	28.33	28.33	28.33	28.33	28.33	28.33	28.33	28.33	28.33	28.33	28.325	
8.....	28.61	28.62	28.66	28.68	28.69	28.71	28.72	28.74	28.75	28.78	28.80	28.83	28.85	28.87	28.88	28.89	28.90	28.91	28.92	28.92	28.94	28.95	28.95	28.95	28.812	
9.....	28.96	28.95	28.95	28.95	28.95	28.94	28.94	28.93	28.93	28.92	28.90	28.89	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.87	28.86	28.86	28.829	
10.....	28.79	28.78	28.78	28.79	28.79	28.80	28.81	28.81	28.81	28.81	28.83	28.83	28.84	28.85	28.85	28.86	28.86	28.85	28.86	28.86	28.86	28.87	28.86	28.86	28.829	
11.....	28.87	28.87	28.87	28.87	28.87	28.86	28.85	28.84	28.83	28.83	28.83	28.83	28.84	28.85	28.85	28.86	28.86	28.85	28.86	28.86	28.87	28.87	28.86	28.86	28.835	
12.....	28.81	28.81	28.80	28.78	28.76	28.77	28.77	28.77	28.79	28.81	28.81	28.85	28.87	28.89	28.91	28.91	28.91	28.90	28.91	28.91	28.91	28.90	28.90	28.90	28.863	
13.....	29.05	29.03	29.03	29.02	29.01	28.98	28.97	28.96	28.95	28.94	28.93	28.93	28.92	28.92	28.91	28.91	28.90	28.90	28.91	28.91	28.91	28.90	28.90	28.90	28.945	
14.....	28.90	28.90	28.89	28.89	28.89	28.90	28.90	28.90	28.90	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.905	
15.....	29.13	29.14	29.16	29.18	29.20	29.22	29.23	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.192		
16.....	29.10	29.08	29.06	29.06	29.05	29.04	29.02	29.01	29.00	28.99	28.98	28.98	28.98	28.97	28.96	28.95	28.95	28.95	28.95	28.95	28.94	28.94	28.94	28.94	28.901	
17.....	28.92	28.92	28.91	28.91	28.90	28.90	28.90	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.908	
18.....	28.91	28.91	28.91	28.91	28.91	28.92	28.93	28.94	28.95	28.95	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.901	
19.....	29.17	29.18	29.20	29.21	29.22	29.24	29.25	29.26	29.27	29.29	29.30	29.31	29.32	29.33	29.34	29.35	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.384	
20.....	29.45	29.44	29.44	29.44	29.43	29.43	29.42	29.42	29.42	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.311	
21.....	29.30	29.29	29.27	29.26	29.24	29.23	29.23	29.22	29.22	29.20	29.18	29.16	29.15	29.15	29.14	29.13	29.13	29.12	29.10	29.09	29.08	29.07	29.06	29.04	29.165	
22.....	29.03	29.01	29.00	28.99	28.96	28.94	28.92	28.91	28.90	28.89	28.88	28.85	28.85	28.83	28.82	28.80	28.78	28.76	28.74	28.72	28.72	28.71	28.71	28.71	28.852	
23.....	28.70	28.69	28.71	28.73	28.73	28.75	28.76	28.77	28.79	28.80	28.81	28.82	28.83	28.83	28.84	28.85	28.86	28.87	28.88	28.90	28.90	28.91	28.92	28.92	28.815	
24.....	28.92	28.92	28.92	28.93	28.94	28.95	28.96	28.96	28.96	28.97	28.98	29.00	29.01	29.01	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.02	29.001	
25.....	29.11	29.12	29.13	29.13	29.13	29.14	29.13	29.13	29.13	29.13	29.13	29.13	29.12	29.11	29.10	29.10	29.09	29.09	29.09	29.09	29.08	29.08	29.07	29.110		
26.....	29.07	29.06	29.05	29.04	29.04	29.03	29.03	29.02	29.02	29.02	29.02	29.02	29.01	29.00	28.99	28.98	28.98	28.98	28.97	28.96	28.95	28.95	28.95	28.95	29.003	
27.....	28.93	28.93	28.93	28.92	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.90	28.90	28.90	28.90	28.89	28.88	28.88	28.87	28.86	28.85	28.85	28.85	28.85	28.889	
28.....	28.80	28.79	28.79	28.76	28.76	28.75	28.75	28.74	28.75	28.76	28.76	28.76	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.78	28.78	28.78	28.78	28.78	28.767	
29.....	28.78	28.79	28.79	28.79	28.78	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.80	28.81	28.790		
30.....	28.82	28.81	28.81	28.81	28.81	28.81	28.81	28.82	28.82	28.82	28.83	28.84	28.85	28.85	28.85	28.85	28.85	28.86	28.87	28.89	28.89	28.90	28.91	28.845		
31.....	28.92	28.93	28.94	28.94	28.94	28.95	28.96	28.97	28.97	28.98	28.99	29.00	29.00	29.00	29.00	29.00	29.00	29.01	29.01	29.01	29.01	29.01	29.01	29.01	28.881	
Mean.....	28.879	28.877	28.877	28.876	28.873	28.875	28.875	28.875	28.876	28.876	28.879	28.881	28.881	28.882	28.882	28.882	28.884	28.884	28.886	28.888	28.889	28.891	28.892	28.892	28.881	

TABLE 28.—*Pressure—hourly values, Little America—Continued*

NOVEMBER 1929

Inches reduced to 32° F., sea level and gravity at 45°. 180th meridian time]

[illegible]

DECEMBER 1929
[Inches reduced to 32° F., sea level and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	20.41	20.42	20.42	20.42	20.42	20.42	20.42	20.42	20.42	20.42	20.42	20.43	20.44	20.44	20.44	20.44	20.44	20.43	20.43	20.43	20.43	20.43	20.42	20.41	20.426
2	20.40	20.40	20.40	20.39	20.38	20.37	20.36	20.36	20.34	20.32	20.31	20.30	20.29	20.28	20.27	20.25	20.23	20.23	20.22	20.22	20.21	20.20	20.20	20.20	20.20
3	20.20	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21
4	20.41	20.42	20.44	20.46	20.48	20.50	20.52	20.54	20.56	20.58	20.60	20.61	20.61	20.63	20.64	20.65	20.66	20.68	20.69	20.70	20.71	20.72	20.73	20.74	20.74
5	20.76	20.76	20.76	20.77	20.78	20.79	20.79	20.79	20.79	20.79	20.79	20.80	20.79	20.79	20.79	20.79	20.79	20.79	20.78	20.78	20.78	20.77	20.76	20.76	20.780
6	20.75	20.75	20.75	20.74	20.73	20.72	20.71	20.70	20.69	20.68	20.67	20.66	20.65	20.64	20.63	20.62	20.61	20.60	20.59	20.58	20.57	20.56	20.55	20.54	20.567
7	20.62	20.63	20.63	20.62	20.61	20.60	20.59	20.58	20.57	20.56	20.55	20.54	20.53	20.52	20.51	20.50	20.49	20.48	20.47	20.46	20.45	20.44	20.43	20.42	20.445
8	20.55	20.55	20.55	20.54	20.53	20.52	20.51	20.50	20.49	20.48	20.47	20.46	20.45	20.44	20.43	20.42	20.41	20.40	20.39	20.38	20.37	20.36	20.35	20.34	20.368
9	20.45	20.47	20.48	20.49	20.50	20.51	20.52	20.53	20.54	20.55	20.56	20.57	20.58	20.59	20.60	20.61	20.62	20.63	20.64	20.65	20.66	20.67	20.68	20.69	20.680
10	20.68	20.68	20.68	20.67	20.66	20.65	20.64	20.63	20.62	20.61	20.60	20.59	20.58	20.57	20.56	20.55	20.54	20.53	20.52	20.51	20.50	20.49	20.48	20.47	20.483
11	20.66	20.67	20.67	20.66	20.65	20.64	20.63	20.62	20.61	20.60	20.59	20.58	20.57	20.56	20.55	20.54	20.53	20.52	20.51	20.50	20.49	20.48	20.47	20.46	20.477
12	20.89	20.90	20.89	20.88	20.87	20.86	20.85	20.84	20.83	20.82	20.81	20.80	20.79	20.78	20.77	20.76	20.75	20.74	20.73	20.72	20.71	20.70	20.69	20.68	20.707
13	20.76	20.75	20.74	20.73	20.72	20.71	20.70	20.69	20.68	20.67	20.66	20.65	20.64	20.63	20.62	20.61	20.60	20.59	20.58	20.57	20.56	20.55	20.54	20.53	20.560
14	20.79	20.79	20.79	20.79	20.79	20.79	20.79	20.79	20.79	20.79	20.79	20.80	20.80	20.80	20.80	20.80	20.80	20.79	20.78	20.78	20.78	20.78	20.77	20.77	20.788
15	20.79	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.78	20.788
16	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81	20.81
17	20.73	20.73	20.73	20.72	20.71	20.70	20.69	20.68	20.67	20.66	20.65	20.64	20.63	20.62	20.61	20.60	20.59	20.58	20.57	20.56	20.55	20.54	20.53	20.52	20.541
18	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70	20.70
19	20.80	20.81	20.82	20.83	20.83	20.83	20.84	20.85	20.86	20.87	20.88	20.89	20.90	20.91	20.92	20.93	20.94	20.95	20.96	20.97	20.98	20.99	21.00	21.00	20.890
20	20.79	20.79	20.79	20.78	20.77	20.76	20.75	20.74	20.73	20.72	20.71	20.70	20.69	20.68	20.67	20.66	20.65	20.64	20.63	20.62	20.61	20.60	20.59	20.58	20.580
21	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80	20.80
22	20.76	20.77	20.78	20.78	20.79	20.80	20.81	20.82	20.83	20.84	20.85	20.86	20.87	20.88	20.89	20.90	20.91	20.92	20.93	20.94	20.95	20.96	20.97	20.98	20.983
23	20.72	20.71	20.69	20.68	20.67	20.66	20.65	20.64	20.63	20.62	20.61	20.60	20.59	20.58	20.57	20.56	20.55	20.54	20.53	20.52	20.51	20.50	20.49	20.48	20.500
24	20.54	20.54	20.53	20.53	20.53	20.53	20.53	20.53	20.53	20.53	20.53	20.54	20.54	20.54	20.54	20.54	20.54	20.53	20.53	20.53	20.53	20.53	20.53	20.53	20.531
25	20.50	20.49	20.48	20.47	20.46	20.45	20.44	20.43	20.42	20.41	20.40	20.39	20.38	20.37	20.36	20.35	20.34	20.33	20.32	20.31	20.30	20.29	20.28	20.27	20.307
26	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34	20.34
27	20.44	20.45	20.46	20.46	20.47	20.48	20.49	20.50	20.51	20.52	20.53	20.54	20.55	20.56	20.57	20.58	20.59	20.60	20.61	20.62	20.63	20.64	20.65	20.66	20.672
28	20.57	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58	20.58
29	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67	20.67
30	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46
31	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37	20.37
Mean	20.606	20.608	20.606	20.606	20.607	20.607	20.607	20.607	20.606	20.606	20.605	20.605	20.602	20.602	20.600	20.599	20.599	20.600	20.599	20.600	20.601	20.603	20.605	20.607	20.604

TABLE 28.—*Pressure—hourly values, Little America—Continued*

JANUARY 1930

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.35	29.36	29.37	29.38	29.38	29.38	29.38	29.39	29.40	29.41	29.41	29.41	29.42	29.42	29.42	29.42	29.43	29.43	29.44	29.44	29.44	29.44	29.45	29.45	29.46
2	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.44	29.44	29.44	29.44	29.42	29.41	29.41	29.40	29.39	29.38	29.37	29.37	29.37	29.38	29.39	29.39	29.40
3	29.39	29.40	29.40	29.40	29.40	29.39	29.38	29.38	29.38	29.37	29.37	29.36	29.35	29.34	29.34	29.34	29.33	29.33	29.33	29.33	29.33	29.32	29.31	29.30	29.37
4	29.29	29.29	29.29	29.27	29.27	29.27	29.26	29.25	29.25	29.24	29.23	29.21	29.20	29.20	29.20	29.20	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.20	29.20
5	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.19	29.19	29.19	29.19	29.18	29.17	29.16	29.15	29.14	29.12	29.11	29.10	29.10	29.09	29.08	29.07	29.10
6	29.06	29.06	29.05	29.04	29.03	29.02	29.01	29.00	28.99	28.98	28.97	28.96	28.96	28.95	28.95	28.95	28.95	28.95	28.95	28.94	28.94	28.95	28.96	28.96	28.98
7	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.98
8	29.05	29.06	29.08	29.11	29.12	29.14	29.16	29.18	29.19	29.20	29.20	29.22	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.18
9	29.19	29.19	29.18	29.17	29.17	29.17	29.17	29.17	29.17	29.17	29.17	29.18	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.19	29.20	29.20	29.20	29.18
10	29.22	29.22	29.23	29.23	29.24	29.24	29.24	29.26	29.27	29.28	29.29	29.30	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.33	29.33	29.34	29.34	29.35	29.24
11	29.35	29.35	29.35	29.35	29.35	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.35	29.35	29.34	29.34	29.34	29.33	29.33	29.33	29.30
12	29.32	29.32	29.32	29.31	29.30	29.30	29.30	29.30	29.29	29.28	29.27	29.27	29.26	29.25	29.25	29.24	29.24	29.24	29.24	29.24	29.24	29.25	29.25	29.25	29.26
13	29.23	29.23	29.22	29.22	29.22	29.23	29.23	29.23	29.23	29.23	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.25	29.25	29.25	29.26
14	29.26	29.26	29.26	29.27	29.27	29.28	29.28	29.29	29.30	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.30
15	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.32	29.31	29.31	29.31	29.30	29.30	29.30	29.30	29.31	29.31	29.31	29.31	29.31	29.31	29.31	29.31
16	29.37	29.37	29.37	29.38	29.38	29.38	29.38	29.38	29.37	29.36	29.35	29.34	29.33	29.32	29.31	29.30	29.30	29.30	29.31	29.31	29.31	29.31	29.31	29.31	29.31
17	29.29	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.27	29.26	29.25	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.25	29.25	29.25	29.26
18	29.25	29.25	29.24	29.24	29.24	29.24	29.25	29.25	29.27	29.28	29.28	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.29	29.27
19	29.37	29.37	29.37	29.38	29.38	29.38	29.38	29.38	29.37	29.36	29.35	29.34	29.33	29.32	29.31	29.30	29.30	29.30	29.31	29.31	29.31	29.31	29.31	29.31	29.31
20	29.50	29.51	29.52	29.52	29.53	29.55	29.57	29.58	29.59	29.61	29.62	29.62	29.63	29.64	29.64	29.64	29.65	29.66	29.67	29.68	29.69	29.70	29.71	29.71	29.61
21	29.71	29.71	29.72	29.72	29.72	29.72	29.73	29.74	29.74	29.75	29.76	29.76	29.75	29.74	29.73	29.73	29.72	29.71	29.70	29.69	29.68	29.68	29.66	29.64	29.71
22	29.62	29.61	29.61	29.61	29.61	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62	29.62
23	29.31	29.29	29.27	29.26	29.25	29.24	29.24	29.24	29.22	29.22	29.21	29.20	29.19	29.18	29.17	29.16	29.16	29.16	29.15	29.15	29.15	29.14	29.13	29.12	29.09
24	29.11	29.11	29.10	29.09	29.09	29.09	29.09	29.09	29.09	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08
25	29.13	29.13	29.13	29.13	29.13	29.13	29.14	29.14	29.14	29.14	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.13	29.14	29.14	29.14	29.15	29.15	29.15
26	29.15	29.15	29.15	29.15	29.15	29.15	29.16	29.16	29.16	29.16	29.17	29.17	29.17	29.17	29.17	29.18	29.18	29.18	29.19	29.20	29.20	29.21	29.22	29.23	29.16
27	29.23	29.23	29.24	29.25	29.25	29.25	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.17
28	29.32	29.30	29.28	29.26	29.24	29.23	29.22	29.21	29.20	29.19	29.18	29.17	29.16	29.15	29.14	29.13	29.12	29.11	29.11	29.10	29.09	29.08	29.07	29.05	29.17
29	29.04	29.01	28.99	28.96	28.96	28.96	28.95	28.95	28.93	28.92	28.91	28.90	28.89	28.89	28.88	28.88	28.88	28.89	28.90	28.91	28.91	28.92	28.93	28.93	28.93
30	28.93	28.94	28.96	28.97	28.98	28.99	29.00	29.02	29.03	29.04	29.05	29.06	29.07	29.08	29.08	29.09	29.10	29.11	29.12	29.13	29.14	29.15	29.16	29.16	29.07
31	29.15	29.15	29.14	29.14	29.14	29.14	29.18	29.20	29.21	29.23	29.22	29.22	29.21	29.20	29.19	29.17	29.16	29.14	29.13	29.11	29.10	29.12	29.12	29.13	29.16
Mean	29.258	29.250	29.254	29.253	29.253	29.254	29.257	29.260	29.259	29.260	29.259	29.258	29.256	29.253	29.252	29.248	29.247	29.246	29.246	29.246	29.246	29.248	29.252	29.255	29.253

FEBRUARY 1930

Inches reduced to 32° F., sea level and gravity at 45°. 180th meridian time]

[illegible]

FEBRUARY 1934

Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
12								29.64	29.62	29.60	29.59	29.59	29.59	29.59	29.58	29.58	29.57	29.56	29.55	29.55	29.55	29.54	29.57	29.58	29.579
13	29.57	29.57	29.56	29.55	29.55	29.55	29.55	29.54	29.53	29.53	29.53	29.53	29.53	29.52	29.51	29.50	29.49	29.49	29.49	29.50	29.50	29.50	29.49	29.49	29.523
14	29.49	29.48	29.47	29.47	29.47	29.46	29.46	29.45	29.44	29.43	29.42	29.41	29.41	29.41	29.40	29.39	29.38	29.37	29.37	29.37	29.36	29.35	29.34	29.34	29.414
15	29.34	29.33	29.33	29.33	29.33	29.31	29.31	29.30	29.28	29.27	29.27	29.24	29.23	29.21	29.20	29.20	29.21	29.24	29.24	29.24	29.24	29.24	29.23	29.23	29.205
16	29.23	29.23	29.24	29.23	29.23	29.22	29.22	29.20	29.20	29.20	29.21	29.21	29.21	29.21	29.21	29.21	29.22	29.22	29.22	29.23	29.24	29.24	29.25	29.25	29.222
17	29.25	29.25	29.24	29.23	29.22	29.22	29.22	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.22	29.22	29.22	29.22	29.23	29.22	29.22	29.22	29.21	29.22	29.222
18	29.21	29.21	29.20	29.20	29.19	29.20	29.20	29.20	29.22	29.22	29.23	29.23	29.23	29.24	29.25	29.25	29.28	29.32	29.34	29.35	29.37	29.38	29.40	29.41	29.263
19	29.43	29.44	29.46	29.47	29.49	29.50	29.50	29.50	29.49	29.49	29.48	29.47	29.46	29.45	29.43	29.42	29.43	29.40	29.40	29.39	29.38	29.37	29.37	29.37	29.441
20	29.36	29.35	29.33	29.32	29.31	29.29	29.28	29.27	29.26	29.25	29.24	29.23	29.23	29.22	29.22	29.22	29.23	29.21	29.20	29.20	29.19	29.21	29.21	29.21	29.252
21	29.21	29.21	29.20	29.19	29.19	29.19	29.18	29.18	29.18	29.18	29.14	29.13	29.13	29.09	29.08	29.08	29.07	29.08	29.08	29.08	29.09	29.09	29.09	29.08	29.135
22	29.08	29.08	29.08	29.08	29.08	29.07	29.06	29.06	29.04	29.03	29.02	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.01	29.01	29.02	29.04	29.07	29.033
23	29.08	29.09	29.10	29.11	29.13	29.15	29.16	29.19	29.21	29.23	29.24	29.25	29.27	29.30	29.31	29.33	29.33	29.35	29.39	29.40	29.42	29.45	29.47	29.48	29.268
24	29.49	29.50	29.52	29.53	29.54	29.55	29.57	29.58	29.58	29.58	29.58	29.59	29.58	29.58	29.58	29.58	29.58	29.57	29.57	29.56	29.55	29.55	29.56	29.56	29.560
25	29.54	29.53	29.52	29.50	29.49	29.48	29.48	29.47	29.45	29.45	29.40	29.42	29.42	29.42	29.40	29.38	29.38	29.37	29.36	29.35	29.35	29.36	29.36	29.36	29.427
26	29.36	29.35	29.34	29.34	29.34	29.34	29.34	29.33	29.33	29.33	29.33	29.31	29.30	29.28	29.28	29.28	29.29	29.30	29.30	29.31	29.31	29.32	29.32	29.32	29.319
27	29.33	29.34	29.36	29.37	29.37	29.37	29.37	29.37	29.37	29.35	29.34	29.33	29.32	29.31	29.30	29.30	29.29	29.30	29.29	29.28	29.27	29.26	29.26	29.25	29.321
28	29.24	29.23	29.21	29.20	29.18	29.16	29.16	29.14	29.13	29.11	29.10	29.08	29.07	29.07	29.07	29.05	29.05	29.04	29.04	29.04	29.03	29.02	29.02	29.02	29.102
Mean	29.326	29.324	29.323	29.320	29.319	29.316	29.317	29.331	29.325	29.321	29.314	29.309	29.306	29.301	29.296	29.294	29.295	29.296	29.299	29.299	29.300	29.299	29.305	29.307	29.310

TABLE 28.—*Pressure—hourly values, Little America—Continued*

MARCH 1934

[Inches, reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Day																										
1	29.01	29.01	29.01	29.01	29.02	29.02	29.02	29.02	29.02	29.03	29.03	29.04	29.05	29.05	29.05	29.06	29.07	29.07	29.07	29.07	29.07	29.08	29.09	29.10	29.12	29.047
2	29.13	29.13	29.12	29.13	29.14	29.15	29.15	29.16	29.17	29.16	29.16	29.14	29.13	29.12	29.12	29.08	29.05	29.02	29.00	29.00	29.08	29.08	29.09	29.10	29.12	29.077
3	29.84	29.81	29.80	29.77	29.75	29.73	29.71	29.70	29.69	29.70	29.70	29.72	29.74	29.75	29.76	29.78	29.81	29.83	29.86	29.90	29.90	29.98	29.98	29.04	29.07	29.806
4	29.12	29.17	29.19	29.22	29.24	29.26	29.28	29.31	29.33	29.32	29.32	29.33	29.35	29.36	29.37	29.38	29.41	29.43	29.45	29.46	29.47	29.48	29.49	29.50	29.51	29.52
5	29.29	29.30	29.29	29.30	29.30	29.31	29.32	29.32	29.33	29.33	29.33	29.31	29.30	29.30	29.28	29.27	29.26	29.25	29.25	29.23	29.23	29.23	29.21	29.19	29.18	29.278
6	29.18	29.16	29.14	29.14	29.14	29.13	29.13	29.13	29.13	29.13	29.11	29.11	29.10	29.10	29.08	29.07	29.08	29.07	29.06	29.06	29.06	29.06	29.05	29.11	29.15	29.112
7	29.16	29.19	29.23	29.26	29.29	29.33	29.37	29.39	29.42	29.43	29.43	29.41	29.41	29.39	29.38	29.37	29.36	29.35	29.34	29.34	29.34	29.34	29.33	29.32	29.31	29.340
8	29.30	29.37	29.24	29.22	29.21	29.21	29.20	29.19	29.18	29.18	29.16	29.09	29.05	29.00	29.00	29.02	29.01	29.00	29.00	29.00	29.00	29.01	29.02	29.02	29.910	
9	29.94	29.94	29.93	29.92	29.91	29.90	29.89	29.87	29.86	29.85	29.85	29.84	29.85	29.86	29.87	29.89	29.92	29.91	29.90	29.89	29.89	29.89	29.91	29.93	29.970	
10	29.03	29.04	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.907
11	29.44	29.44	29.46	29.46	29.46	29.45	29.45	29.44	29.43	29.42	29.40	29.35	29.30	29.28	29.25	29.21	29.18	29.16	29.16	29.12	29.08	29.05	29.05	29.04	29.03	29.887
12	29.02	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.882
13	29.78	29.78	29.80	29.82	29.84	29.85	29.87	29.89	29.92	29.94	29.94	29.98	29.98	29.98	29.98	29.98	29.98	29.98	29.98	29.98	29.98	29.98	29.98	29.98	29.98	29.908
14	29.13	29.15	29.15	29.17	29.17	29.18	29.19	29.20	29.21	29.21	29.22	29.22	29.21	29.20	29.21	29.21	29.22	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.207
15	29.20	29.17	29.17	29.17	29.17	29.15	29.14	29.14	29.13	29.12	29.12	29.12	29.11	29.10	29.08	29.08	29.10	29.10	29.11	29.11	29.11	29.12	29.12	29.12	29.12	29.128
16	29.12	29.12	29.12	29.11	29.11	29.11	29.12	29.13	29.13	29.13	29.14	29.14	29.15	29.15	29.16	29.17	29.18	29.20	29.20	29.21	29.22	29.23	29.24	29.25	29.26	29.159
17	29.27	29.30	29.32	29.33	29.35	29.36	29.38	29.40	29.41	29.43	29.44	29.44	29.46	29.46	29.46	29.46	29.48	29.49	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.426
18	29.46	29.48	29.47	29.47	29.47	29.47	29.48	29.49	29.49	29.49	29.49	29.49	29.50	29.51	29.51	29.51	29.52	29.52	29.53	29.54	29.55	29.55	29.56	29.56	29.56	29.505
19	29.67	29.66	29.65	29.65	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.513
20	29.39	29.38	29.36	29.33	29.31	29.29	29.26	29.25	29.25	29.27	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.243
21	29.22	29.22	29.22	29.22	29.22	29.21	29.20	29.18	29.16	29.15	29.13	29.12	29.10	29.10	29.10	29.09	29.07	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.128
22	29.07	29.07	29.07	29.06	29.07	29.07	29.08	29.10	29.10	29.10	29.11	29.11	29.10	29.10	29.10	29.10	29.10	29.10	29.11	29.12	29.13	29.14	29.16	29.17	29.17	29.102
23	29.17	29.19	29.20	29.20	29.22	29.24	29.26	29.28	29.29	29.30	29.31	29.33	29.34	29.34	29.34	29.35	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.299
24	29.30	29.28	29.26	29.25	29.24	29.23	29.21	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.279
25	29.46	29.51	29.56	29.57	29.58	29.61	29.63	29.64	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.66	29.67	29.67	29.67	29.67	29.67	29.67	29.67	29.67	29.67	29.632
26	29.27	29.27	29.26	29.26	29.26	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.264
27	29.27	29.27	29.26	29.26	29.26	29.26	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.275
28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.275
29	29.31	29.31	29.32	29.32	29.33	29.34	29.35	29.36	29.39	29.40	29.42	29.42	29.42	29.43	29.43	29.43	29.44	29.45	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.386
30	29.43	29.42	29.40	29.37	29.35	29.35	29.34	29.34	29.34	29.34	29.33	29.34	29.34	29.32	29.31	29.30	29.32	29.33	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.344
31	29.33	29.33	29.32	29.32	29.31	29.32	29.33	29.33	29.34	29.34	29.34	29.35	29.36	29.36	29.36	29.36	29.37	29.38	29.38	29.38	29.38	29.38	29.38	29.38	29.38	29.350
Mean	29.219	29.224	29.218	29.217	29.218	29.219	29.222	29.226	29.229	29.226	29.228	29.222	29.215	29.210	29.208	29.208	29.212	29.214	29.216	29.217	29.219	29.224	29.228	29.228	29.229	29.220

TABLE 28.—Pressure—hourly values, Little America—Continued

MAY 1934

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Day																										
1	28.97	28.97	28.97	28.96	28.96	28.95	28.96	28.95	28.93	28.91	28.90	28.89	28.89	28.86	28.84	28.82	28.81	28.80	28.77	28.78	28.78	28.79	28.79	28.79	28.872	
2	28.79	28.79	28.79	28.80	28.81	28.82	28.83	28.83	28.82	28.84	28.84	28.83	28.85	28.85	28.86	28.86	28.85	28.85	28.84	28.84	28.84	28.85	28.86	28.88	28.883	
3	28.90	28.90	28.92	28.94	28.97	29.00	29.03	29.07	29.10	29.12	29.14	29.19	29.21	29.24	29.26	29.30	29.34	29.37	29.39	29.42	29.43	29.45	29.47	29.49	29.194	
4	29.51	29.51	29.51	29.50	29.51	29.51	29.53	29.53	29.54	29.55	29.55	29.55	29.56	29.55	29.56	29.56	29.56	29.56	29.56	29.56	29.56	29.56	29.51	29.51	29.400	
5	29.47	29.48	29.50	29.51	29.51	29.54	29.53	29.53	29.54	29.55	29.55	29.55	29.56	29.55	29.56	29.56	29.56	29.56	29.56	29.56	29.56	29.51	29.51	29.51	29.534	
6	29.55	29.54	29.52	29.51	29.50	29.48	29.46	29.45	29.44	29.44	29.42	29.40	29.39	29.38	29.40	29.40	29.40	29.37	29.34	29.34	29.33	29.31	29.31	29.30	29.414	
7	29.29	29.28	29.26	29.25	29.24	29.24	29.23	29.22	29.21	29.20	29.19	29.19	29.18	29.17	29.15	29.13	29.13	29.11	29.11	29.10	29.10	29.09	29.09	29.08	29.177	
8	29.07	29.07	29.07	29.06	29.05	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.05	29.05	29.05	29.05	29.05	29.05	29.04	29.04	29.06	29.06	29.05	29.04	29.050	
9	29.04	29.03	29.02	29.01	29.00	29.00	29.00	29.01	29.02	29.02	29.03	29.03	29.04	29.04	29.04	29.05	29.05	29.05	29.06	29.07	29.07	29.07	29.07	29.07	29.037	
10	29.00	29.01	29.01	29.01	29.01	29.01	29.01	29.02	29.02	29.03	29.03	29.04	29.04	29.04	29.04	29.05	29.05	29.05	29.06	29.07	29.07	29.07	29.07	29.07	29.037	
11	29.07	29.07	29.07	29.06	29.05	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.05	29.05	29.05	29.06	29.07	29.07	29.07	29.07	29.07	29.066	
12	29.06	29.05	29.04	29.02	29.02	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.016	
13	28.68	28.66	28.63	28.61	28.59	28.57	28.56	28.54	28.52	28.50	28.48	28.48	28.48	28.46	28.45	28.46	28.45	28.44	28.42	28.40	28.39	28.38	28.38	28.38	28.403	
14	28.39	28.35	28.35	28.36	28.37	28.36	28.38	28.42	28.44	28.44	28.43	28.43	28.44	28.45	28.46	28.46	28.47	28.46	28.47	28.47	28.49	28.49	28.50	28.51	28.433	
15	28.51	28.50	28.51	28.52	28.52	28.51	28.51	28.51	28.51	28.52	28.53	28.54	28.55	28.56	28.57	28.58	28.60	28.61	28.63	28.64	28.65	28.66	28.67	28.67	28.566	
16	28.71	28.73	28.76	28.79	28.80	28.82	28.83	28.85	28.86	28.87	28.88	28.89	28.90	28.91	28.92	28.92	28.93	28.94	28.95	28.96	28.97	28.98	28.98	28.98	28.905	
17	29.09	29.11	29.14	29.15	29.16	29.18	29.19	29.21	29.23	29.25	29.26	29.28	29.29	29.31	29.33	29.33	29.34	29.35	29.36	29.37	29.38	29.40	29.42	29.42	29.272	
18	29.43	29.44	29.45	29.45	29.45	29.44	29.43	9.43	29.43	29.44	29.44	29.43	29.43	29.43	29.41	29.40	29.40	29.39	29.37	29.36	29.35	29.34	29.34	29.34	29.406	
19	29.32	29.31	29.31	29.29	29.28	29.27	29.27	29.26	29.26	29.25	29.23	29.22	29.21	29.19	29.17	29.15	29.14	29.13	29.10	29.08	29.07	29.04	29.02	29.01	29.101	
20	29.02	29.03	29.05	29.08	29.09	29.11	29.13	29.16	29.18	29.20	29.22	29.24	29.26	29.29	29.31	29.32	29.33	29.35	29.39	29.41	29.44	29.44	29.47	29.46	29.257	
21	29.48	29.49	29.49	29.51	29.51	29.50	29.49	29.48	29.48	29.46	29.45	29.47	29.47	29.47	29.47	29.46	29.45	29.42	29.38	29.35	29.31	29.28	29.21	29.13	29.09	29.409
22	29.05	29.09	29.12	29.15	29.18	29.20	29.22	29.24	29.26	29.28	29.30	29.32	29.34	29.36	29.38	29.40	29.42	29.44	29.46	29.48	29.50	29.52	29.54	29.56	29.427	
23	29.15	29.22	29.26	29.30	29.32	29.35	29.40	29.48	29.50	29.50	29.50	29.51	29.52	29.53	29.53	29.53	29.52	29.50	29.47	29.46	29.45	29.44	29.42	29.40	29.427	
24	29.37	29.36	29.35	29.33	29.31	29.31	29.31	29.30	29.30	29.30	29.29	29.28	29.28	29.28	29.27	29.27	29.29	29.30	29.30	29.29	29.28	29.27	29.26	29.24	29.324	
25	29.33	29.30	29.28	29.26	29.25	29.25	29.25	29.25	29.25	29.27	29.27	29.28	29.30	29.30	29.30	29.30	29.30	29.30	29.29	29.28	29.27	29.26	29.25	29.24	29.270	
26	29.17	29.15	29.14	29.12	29.12	29.11	29.10	29.08	29.07	29.06	29.06	29.05	29.04	29.04	29.03	29.02	29.01	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.032	
27	28.96	28.95	28.93	28.93	28.93	28.91	28.90	28.90	28.90	28.89	28.89	28.88	28.87	28.84	28.85	28.84	28.83	28.83	28.82	28.81	28.81	28.79	28.78	28.78	28.867	
28	28.77	28.76	28.76	28.76	28.74	28.73	28.72	28.72	28.72	28.72	28.72	28.71	28.71	28.73	28.74	28.74	28.75	28.77	28.78	28.78	28.78	28.78	28.79	28.79	28.748	
29	28.80	28.81	28.81	28.82	28.83	28.84	28.85	28.85	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.922	
30	29.06	29.07	29.07	29.07	29.07	29.06	29.05	29.05	29.04	29.03	29.01	29.00	29.00	29.00	29.00	29.01	29.00	29.00	29.01	29.02	29.04	29.06	29.07	29.09	29.040	
31	29.10	29.11	29.12	29.12	29.13	29.13	29.13	29.14	29.13	29.13	29.13	29.14	29.14	29.14	29.13	29.13	29.13	29.11	29.10	29.09	29.08	29.07	29.05	29.04	29.111	
Mean	29.068	29.066	29.064	29.062	29.060	29.059	29.059	29.065	29.066	29.067	29.067	29.068	29.071	29.070	29.073	29.073	29.074	29.073	29.073	29.074	29.075	29.075	29.070	29.070	29.068	

JUNE 1934
[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour	Day																							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
29.03	29.00	28.98	28.96	28.93	28.91	28.89	28.86	28.85	28.83	28.80	28.78	28.77	28.77	28.74	28.73	28.73	28.73	28.73	28.74	28.75	28.76	28.78	28.81	28.827
28.83	28.86	28.88	28.90	28.94	28.99	29.03	29.11	29.14	29.17	29.20	29.23	29.24	29.26	29.25	29.26	29.24	29.23	29.23	29.21	29.18	29.15	29.12	29.10	29.08
29.07	29.06	29.06	29.06	29.08	29.08	29.09	29.10	29.12	29.12	29.13	29.12	29.09	29.08	29.05	29.03	29.03	29.02	29.00	29.00	29.00	29.00	29.02	29.038	
29.02	29.01	29.02	29.02	29.02	29.03	29.06	29.08	29.11	29.13	29.15	29.18	29.21	29.24	29.27	29.31	29.33	29.35	29.35	29.38	29.38	29.38	29.38	29.38	29.400
29.37	29.37	29.39	29.40	29.41	29.42	29.44	29.45	29.43	29.47	29.44	29.43	29.42	29.38	29.36	29.34	29.32	29.30	29.30	29.26	29.25	29.23	29.23	29.22	29.300
29.22	29.23	29.23	29.25	29.25	29.26	29.28	29.28	29.23	29.22	29.19	29.18	29.17	29.16	29.17	29.15	29.13	29.13	29.12	29.11	29.11	29.07	29.06	29.05	29.173
29.04	29.03	29.03	29.02	29.02	29.00	29.08	29.05	29.04	29.03	29.03	29.02	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.000
28.88	28.88	28.86	28.86	28.86	28.86	28.86	28.85	28.84	28.82	28.80	28.79	28.78	28.77	28.76	28.76	28.77	28.77	28.77	28.76	28.76	28.76	28.75	28.75	28.805
28.75	28.74	28.74	28.75	28.74	28.72	28.74	28.72	28.75	28.76	28.77	28.80	28.81	28.85	28.86	28.88	28.89	28.90	28.94	28.97	28.99	29.00	29.01	29.02	28.839
29.03	29.04	29.04	29.06	29.07	29.06	29.06	29.05	29.02	29.00	28.97	28.92	28.90	28.87	28.86	28.88	28.89	28.90	28.88	28.88	28.88	28.88	28.89	28.90	28.907
28.89	28.88	28.88	28.90	28.91	28.92	28.93	28.95	28.98	29.01	29.04	29.06	29.08	29.12	29.16	29.21	29.24	29.28	29.32	29.36	29.38	29.40	29.40	29.42	29.113
29.42	29.41	29.40	29.39	29.36	29.35	29.33	29.30	29.30	29.28	29.26	29.24	29.23	29.22	29.20	29.18	29.16	29.15	29.15	29.16	29.16	29.15	29.16	29.17	29.255
29.19	29.19	29.19	29.17	29.17	29.15	29.14	29.12	29.12	29.10	29.08	29.05	29.02	29.02	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.015
28.77	28.73	28.72	28.71	28.67	28.65	28.63	28.60	28.59	28.57	28.55	28.53	28.50	28.48	28.48	28.48	28.48	28.48	28.48	28.47	28.47	28.46	28.46	28.45	28.397
28.44	28.44	28.43	28.42	28.42	28.41	28.41	28.39	28.38	28.36	28.37	28.37	28.37	28.38	28.38	28.38	28.39	28.39	28.40	28.40	28.40	28.40	28.41	28.41	28.397
28.41	28.41	28.41	28.41	28.41	28.42	28.43	28.44	28.45	28.46	28.47	28.49	28.51	28.53	28.53	28.54	28.55	28.55	28.55	28.56	28.58	28.59	28.60	28.61	28.496
28.62	28.63	28.64	28.65	28.65	28.65	28.65	28.66	28.66	28.66	28.66	28.67	28.68	28.68	28.68	28.68	28.68	28.68	28.67	28.67	28.67	28.67	28.68	28.68	28.654
28.69	28.70	28.71	28.72	28.73	28.74	28.75	28.76	28.77	28.78	28.79	28.81	28.80	28.82	28.81	28.79	28.78	28.78	28.78	28.78	28.78	28.78	28.77	28.77	28.764
28.77	28.75	28.75	28.73	28.72	28.71	28.70	28.69	28.69	28.69	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.70	28.71	28.70	28.72	28.73	28.73	28.705
28.74	28.74	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.76	28.76	28.76	28.76	28.76	28.74	28.74	28.75	28.75	28.73	28.72	28.70	28.70	28.70	28.70	28.733
28.69	28.69	28.68	28.67	28.67	28.66	28.65	28.64	28.64	28.64	28.64	28.63	28.63	28.63	28.63	28.63	28.63	28.62	28.62	28.61	28.61	28.60	28.61	28.599	
28.60	28.60	28.59	28.58	28.57	28.56	28.55	28.54	28.54	28.54	28.55	28.54	28.54	28.53	28.53	28.53	28.53	28.54	28.55	28.57	28.58	28.59	28.60	28.62	28.562
28.65	28.66	28.68	28.69	28.70	28.71	28.72	28.74	28.76	28.76	28.76	28.76	28.75	28.74	28.74	28.73	28.70	28.68	28.65	28.62	28.61	28.60	28.61	28.62	28.688
28.51	28.49	28.49	28.48	28.48	28.46	28.47	28.46	28.46	28.47	28.49	28.50	28.52	28.54	28.56	28.57	28.60	28.61	28.64	28.68	28.70	28.73	28.74	28.76	28.552
28.79	28.80	28.83	28.86	28.88	28.90	28.92	28.95	28.97	28.99	29.01	29.02	29.05	29.06	29.07	29.08	29.08	29.07	29.08	29.07	29.07	29.07	29.05	29.04	28.988
29.03	29.03	29.03	29.01	29.00	28.99	28.98	28.97	28.98	29.00	29.01	29.03	29.05	29.06	29.07	29.09	29.11	29.12	29.14	29.15	29.16	29.17	29.19	29.20	29.065
29.21	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.23	29.24	29.25	29.26	29.26	29.26	29.26	29.27	29.28	29.29	29.32	29.33	29.35	29.38	29.207
29.40	29.41	29.42	29.44	29.47	29.49	29.51	29.52	29.56	29.61	29.64	29.64	29.65	29.66	29.66	29.66	29.67	29.67	29.66	29.65	29.64	29.64	29.63	29.61	29.580
29.61	29.58	29.57	29.55	29.54	29.53	29.51	29.51	29.52	29.54	29.54	29.55	29.57	29.58	29.59	29.60	29.60	29.61	29.62	29.62	29.62	29.63	29.64	29.64	29.578
29.65	29.65	29.64	29.65	29.65	29.65	29.65	29.65	29.65	29.66	29.67	29.67	29.67	29.67	29.66	29.66	29.66	29.64	29.63	29.62	29.63	29.62	29.61	29.60	29.645
28.944	28.941	28.942	28.943	28.943	28.941	28.943	28.942	28.947	28.950	28.949	28.950	28.952	28.952	28.953	28.955	28.955	28.956	28.958	28.957	28.959	28.957	28.959	28.961	28.950

TABLE 28.—Pressure—hourly values, *Little America*—Continued

JULY 1934

[Inches reduced to 32° F., sea level, and gravity at 45°. 1800 meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	29.60	29.60	29.56	29.54	29.50	29.49	29.46	29.42	29.40	29.39	29.39	29.35	29.33	29.32	29.31	29.30	29.28	29.27	29.26	29.26	29.26	29.25	29.25	29.25	29.377
2	29.25	29.24	29.22	29.21	29.20	29.19	29.17	29.17	29.17	29.16	29.15	29.13	29.10	29.08	29.06	29.04	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.002
3	28.93	28.92	28.91	28.91	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.906
4	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.05	29.037
5	29.06	29.07	29.07	29.07	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.078
6	29.12	29.13	29.13	29.13	29.13	29.13	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.145
7	29.22	29.21	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.22	29.207
8	29.43	29.43	29.43	29.43	29.43	29.43	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.44	29.421
9	29.22	29.20	29.16	29.14	29.11	29.08	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.048
10	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.044
11	29.33	29.35	29.38	29.39	29.39	29.39	29.40	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.378
12	29.27	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.25	29.310
13	29.20	29.22	29.23	29.23	29.23	29.23	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.24	29.287
14	29.28	29.27	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.287
15	28.92	28.91	28.91	28.90	28.89	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.87	28.896
16	28.45	28.43	28.40	28.37	28.35	28.34	28.33	28.31	28.31	28.31	28.31	28.30	28.30	28.29	28.29	28.29	28.29	28.29	28.29	28.29	28.29	28.29	28.29	28.29	28.331
17	28.38	28.39	28.42	28.44	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.533
18	28.51	28.51	28.50	28.50	28.50	28.50	28.51	28.51	28.52	28.52	28.52	28.52	28.52	28.52	28.52	28.52	28.52	28.52	28.52	28.52	28.52	28.52	28.52	28.52	28.585
19	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.730
20	28.75	28.74	28.75	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.884
21	28.97	29.00	29.02	29.05	29.08	29.12	29.16	29.20	29.24	29.27	29.32	29.34	29.37	29.41	29.44	29.46	29.50	29.53	29.56	29.58	29.60	29.62	29.64	29.64	29.338
22	29.64	29.63	29.61	29.59	29.56	29.54	29.49	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.43	29.373
23	29.39	29.45	29.46	29.50	29.51	29.55	29.60	29.63	29.67	29.71	29.74	29.76	29.79	29.84	29.85	29.86	29.89	29.91	29.90	29.90	29.90	29.90	29.90	29.90	29.388
24	29.80	29.88	29.86	29.83	29.81	29.79	29.74	29.72	29.70	29.66	29.64	29.60	29.57	29.55	29.53	29.50	29.48	29.45	29.42	29.42	29.42	29.42	29.42	29.42	29.412
25	29.38	29.38	29.38	29.37	29.37	29.36	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.37	29.361
26	29.28	29.27	29.25	29.23	29.22	29.21	29.19	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.179
27	29.08	29.06	29.05	29.05	29.05	29.05	29.07	29.08	29.09	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.099
28	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.130
29	29.08	29.07	29.05	29.03	29.01	29.00	28.99	28.99	29.00	28.99	28.98	28.96	28.94	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.880
30	28.79	28.78	28.76	28.73	28.71	28.69	28.68	28.68	28.69	28.68	28.67	28.66	28.65	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.656
31	28.56	28.56	28.56	28.55	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.54	28.548
Mean	29.094	29.093	29.088	29.082	29.075	29.071	29.069	29.073	29.080	29.081	29.081	29.079	29.077	29.073	29.069	29.067	29.066	29.065	29.063	29.063	29.063	29.062	29.060	29.061	29.073

TABLE 28.—Pressure—hourly values, Little America—Continued

SEPTEMBER 1934

[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	28.70	28.68	28.68	28.67	28.67	28.65	28.64	28.65	28.65	28.65	28.64	28.64	28.62	28.61	28.58	28.57	28.55	28.55	28.55	28.56	28.56	28.54	28.54	28.53	28.612
2.....	28.52	28.50	28.49	28.45	28.44	28.41	28.40	28.41	28.42	28.42	28.41	28.40	28.39	28.38	28.36	28.34	28.33	28.32	28.30	28.29	28.24	28.21	28.16	28.11	28.303
3.....	28.05	28.03	28.06	28.06	28.06	28.06	28.06	28.05	28.02	28.01	28.01	28.02	28.03	28.04	28.03	28.03	28.02	28.00	27.98	27.97	27.97	27.96	27.95	27.93	28.013
4.....	27.96	27.97	27.97	27.98	27.99	27.99	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.105
5.....	28.42	28.45	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.658
6.....	28.89	28.90	28.91	28.92	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.972
7.....	28.94	28.94	28.93	28.93	28.93	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.972
8.....	28.84	28.83	28.79	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.929
9.....	28.95	28.93	28.92	28.89	28.87	28.85	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.909
10.....	28.59	28.63	28.66	28.70	28.71	28.71	28.75	28.82	28.87	28.90	28.93	28.96	28.99	29.03	29.06	29.08	29.09	29.11	29.13	29.15	29.16	29.19	29.20	29.20	28.942
11.....	29.20	29.20	29.19	29.18	29.18	29.17	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.094
12.....	29.12	29.09	29.08	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.074
13.....	28.95	28.92	28.88	28.85	28.83	28.80	28.80	28.80	28.79	28.78	28.76	28.73	28.71	28.70	28.69	28.69	28.68	28.67	28.65	28.64	28.64	28.64	28.62	28.61	28.743
14.....	28.58	28.57	28.55	28.52	28.50	28.52	28.53	28.53	28.53	28.53	28.53	28.53	28.54	28.54	28.54	28.55	28.56	28.58	28.59	28.60	28.60	28.60	28.60	28.60	28.854
15.....	28.65	28.66	28.66	28.67	28.69	28.72	28.74	28.75	28.76	28.77	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.911
16.....	28.11	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.12	29.121
17.....	28.87	28.85	28.80	28.76	28.72	28.69	28.69	28.68	28.67	28.67	28.66	28.66	28.67	28.67	28.67	28.68	28.70	28.71	28.73	28.74	28.75	28.77	28.78	28.79	28.725
18.....	28.70	28.79	28.78	28.78	28.78	28.80	28.82	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.824
19.....	28.82	28.82	28.81	28.81	28.81	28.80	28.78	28.79	28.80	28.80	28.82	28.83	28.84	28.84	28.85	28.85	28.85	28.85	28.85	28.85	28.85	28.85	28.85	28.85	28.818
20.....	28.74	28.72	28.71	28.69	28.68	28.69	28.70	28.70	28.70	28.71	28.71	28.72	28.72	28.72	28.72	28.72	28.72	28.72	28.72	28.72	28.72	28.72	28.72	28.72	28.737
21.....	28.85	28.86	28.88	28.90	28.92	28.95	28.98	28.99	29.02	29.05	29.08	29.10	29.13	29.16	29.19	29.23	29.26	29.29	29.30	29.34	29.36	29.39	29.43	29.44	29.133
22.....	29.46	29.45	29.40	29.31	29.53	29.54	29.55	29.56	29.56	29.57	29.57	29.56	29.56	29.55	29.54	29.54	29.52	29.49	29.46	29.45	29.42	29.39	29.36	29.33	29.500
23.....	29.28	29.26	29.21	29.18	29.13	29.09	29.04	29.01	28.99	28.96	28.94	28.90	28.87	28.83	28.78	28.77	28.74	28.72	28.70	28.68	28.67	28.64	28.63	28.62	28.902
24.....	28.61	28.61	28.61	28.61	28.63	28.64	28.67	28.70	28.72	28.75	28.77	28.80	28.83	28.84	28.86	28.88	28.90	28.92	28.94	28.97	28.99	28.99	28.99	28.99	28.801
25.....	28.99	28.98	28.98	28.97	28.94	28.93	28.92	28.92	28.92	28.91	28.90	28.89	28.88	28.87	28.86	28.84	28.83	28.81	28.80	28.79	28.78	28.77	28.75	28.75	28.809
26.....	28.74	28.74	28.74	28.72	28.72	28.71	28.71	28.71	28.71	28.70	28.70	28.72	28.73	28.74	28.75	28.76	28.78	28.80	28.81	28.84	28.86	28.87	28.87	28.88	28.703
27.....	28.90	28.92	28.94	28.94	28.94	28.95	28.96	28.97	28.97	28.97	28.99	29.01	29.06	29.06	29.08	29.08	29.08	29.08	29.09	29.10	29.09	29.08	29.05	29.04	29.015
28.....	29.02	29.02	29.01	29.01	29.01	29.00	28.99	28.98	28.96	28.95	28.94	28.94	28.94	28.95	28.96	28.97	28.99	29.00	29.02	29.03	29.03	29.03	29.03	29.03	28.992
29.....	29.07	29.05	29.06	29.03	29.01	29.00	28.99	29.01	29.04	29.05	29.05	29.05	29.05	29.06	29.06	29.07	29.09	29.09	29.10	29.10	29.11	29.11	29.11	29.11	29.061
30.....	29.10	29.09	29.07	29.05	29.04	29.03	29.03	29.02	29.01	29.00	29.01	28.98	28.96	28.94	28.94	28.91	28.89	28.87	28.86	28.85	28.86	28.89	28.90	28.91	28.907
Mean.....	28.824	28.820	28.815	28.809	28.806	28.804	28.812	28.819	28.826	28.830	28.833	28.834	28.836	28.836	28.835	28.836	28.836	28.838	28.839	28.839	28.839	28.840	28.838	28.835	28.829

OCTOBER 1934
[Inches reduced to 32° F., sea level, and gravity at 45°, 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day.....																									
1.....	28.91	28.92	28.93	28.93	28.93	28.94	28.97	28.98	29.01	29.03	29.06	29.07	29.08	29.08	29.09	29.10	29.10	29.11	29.11	29.11	29.12	29.12	29.12	29.12	29.11
2.....	29.11	29.10	29.09	29.09	29.08	29.07	29.07	29.08	29.08	29.08	29.08	29.07	29.07	29.07	29.07	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.05	29.04	29.04
3.....	29.02	29.01	29.00	28.98	28.96	28.96	28.95	28.94	28.93	28.91	28.89	28.88	28.87	28.86	28.85	28.84	28.83	28.82	28.80	28.80	28.80	28.78	28.76	28.74	28.71
4.....	28.60	28.67	28.65	28.63	28.61	28.59	28.58	28.56	28.55	28.52	28.50	28.49	28.48	28.45	28.43	28.41	28.39	28.38	28.37	28.35	28.35	28.34	28.34	28.33	28.31
5.....	28.31	28.31	28.30	28.30	28.29	28.28	28.27	28.25	28.23	28.21	28.19	28.18	28.13	28.09	28.04	27.96	27.91	27.87	27.83	27.80	27.76	27.71	27.68	27.68	28.07
6.....	27.68	27.69	27.72	27.74	27.80	27.86	27.92	27.98	28.03	28.06	28.13	28.19	28.24	28.29	28.34	28.38	28.42	28.46	28.51	28.54	28.57	28.61	28.64	28.67	28.187
7.....	28.68	28.70	28.72	28.73	28.75	28.76	28.77	28.78	28.79	28.80	28.81	28.81	28.82	28.82	28.84	28.84	28.84	28.87	28.88	28.89	28.89	28.89	28.87	28.85	28.807
8.....	28.79	28.77	28.74	28.70	28.65	28.60	28.55	28.49	28.47	28.45	28.43	28.44	28.46	28.46	28.46	28.46	28.47	28.47	28.46	28.45	28.45	28.45	28.45	28.47	28.825
9.....	28.47	28.48	28.50	28.51	28.52	28.53	28.55	28.58	28.59	28.59	28.61	28.61	28.62	28.62	28.62	28.63	28.64	28.64	28.66	28.67	28.69	28.70	28.71	28.72	28.602
10.....	28.74	28.75	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76
11.....	28.75	28.73	28.72	28.70	28.69	28.67	28.65	28.63	28.61	28.58	28.55	28.52	28.49	28.46	28.43	28.40	28.37	28.34	28.31	28.28	28.25	28.22	28.19	28.16	28.13
12.....	28.56	28.56	28.56	28.56	28.56	28.55	28.55	28.55	28.54	28.54	28.54	28.54	28.54	28.53	28.52	28.51	28.51	28.51	28.50	28.50	28.50	28.50	28.49	28.48	28.46
13.....	28.45	28.45	28.44	28.43	28.42	28.41	28.40	28.40	28.39	28.38	28.38	28.37	28.37	28.36	28.35	28.34	28.34	28.33	28.32	28.31	28.30	28.29	28.28	28.27	28.26
14.....	28.45	28.45	28.46	28.47	28.48	28.48	28.49	28.49	28.49	28.48	28.48	28.47	28.46	28.45	28.44	28.44	28.44	28.44	28.44	28.44	28.43	28.43	28.43	28.42	28.41
15.....	28.42	28.42	28.42	28.42	28.42	28.43	28.43	28.43	28.43	28.43	28.44	28.45	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.46	28.47	28.48	28.49	28.50	28.448
16.....	28.50	28.50	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51
17.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.61	28.61	28.61	28.61	28.61	28.61	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
18.....	28.61	28.61	28.62	28.62	28.62	28.63	28.65	28.65	28.66	28.67	28.68	28.68	28.68	28.69	28.70	28.72	28.73	28.75	28.78	28.80	28.81	28.82	28.83	28.85	28.702
19.....	28.60	28.67	28.67	28.68	28.68	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69
20.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
21.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
22.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
23.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
24.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
25.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
26.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
27.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
28.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
29.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
30.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
31.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60
Mean.....	28.609	28.608	28.604	28.602	28.604	28.604	28.601	28.602	28.604	28.605	28.605	28.608	28.608	28.605	28.604	28.605	28.604	28.605	28.605	28.605	28.603	28.602	28.602	28.601	28.600

TABLE 28.—Pressure—hourly values, *Little America*—Continued.

NOVEMBER 1934

[Inches reduced to 32° F., sea level, and gravity at 45°, 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.53	28.54	28.54	28.54	28.54	28.54	28.54	28.55	28.55	28.54	28.56	28.56	28.55	28.55	28.55	28.55	28.56	28.56	28.56	28.56	28.58	28.58	28.59	28.60	28.596
2	28.61	28.61	28.61	28.61	28.62	28.63	28.64	28.67	28.68	28.69	28.70	28.72	28.72	28.73	28.74	28.75	28.75	28.76	28.76	28.77	28.77	28.77	28.78	28.79	28.794
3	28.80	28.81	28.81	28.81	28.81	28.82	28.82	28.84	28.84	28.84	28.85	28.86	28.86	28.86	28.87	28.87	28.87	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.880
4	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.880
5	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.88	28.880
6	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.890
7	28.93	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.91	28.910
8	28.73	28.72	28.71	28.70	28.70	28.70	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.710
9	28.86	28.88	28.90	28.91	28.93	28.94	28.98	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.990
10	28.05	28.04	28.02	28.01	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.000
11	28.74	28.71	28.68	28.65	28.62	28.60	28.58	28.57	28.56	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.550
12	28.46	28.46	28.45	28.44	28.43	28.41	28.39	28.38	28.38	28.38	28.38	28.38	28.38	28.38	28.38	28.38	28.38	28.38	28.38	28.38	28.38	28.38	28.38	28.38	28.380
13	28.24	28.23	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.22	28.220
14	28.42	28.45	28.49	28.53	28.55	28.57	28.60	28.62	28.65	28.67	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.680
15	28.75	28.75	28.74	28.73	28.72	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.710
16	28.55	28.53	28.50	28.49	28.47	28.45	28.44	28.44	28.43	28.42	28.41	28.41	28.41	28.40	28.39	28.38	28.37	28.36	28.35	28.34	28.33	28.32	28.31	28.30	28.290
17	28.37	28.38	28.39	28.39	28.40	28.41	28.42	28.43	28.45	28.46	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.48	28.480
18	28.62	28.63	28.64	28.65	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.660
19	28.51	28.52	28.53	28.52	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.530
20	28.62	28.63	28.64	28.65	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.660
21	28.01	28.01	28.01	28.02	28.01	28.01	28.01	28.02	28.02	28.02	28.01	28.01	28.01	28.01	28.01	28.01	28.01	28.01	28.01	28.01	28.01	28.01	28.01	28.01	28.010
22	28.90	28.88	28.86	28.85	28.84	28.82	28.82	28.82	28.82	28.81	28.79	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.780
23	28.74	28.74	28.75	28.76	28.76	28.77	28.78	28.78	28.78	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.790
24	28.65	28.64	28.63	28.62	28.62	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.630
25	28.56	28.56	28.56	28.56	28.57	28.58	28.59	28.62	28.64	28.67	28.70	28.73	28.76	28.77	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.780
26	28.91	28.92	28.93	28.94	28.95	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.96	28.960
27	28.02	28.02	28.03	28.05	28.06	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.070
28	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.97	28.970
29	28.92	28.93	28.93	28.93	28.94	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.950
30	28.88	28.88	28.87	28.86	28.85	28.85	28.85	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.860
Mean	28.732	28.732	28.730	28.731	28.729	28.729	28.732	28.737	28.743	28.742	28.742	28.742	28.740	28.737	28.735	28.734	28.733	28.734	28.735	28.735	28.735	28.735	28.737	28.742	28.736

DECEMBER 1934
[Inches reduced to 32° F., sea level, and gravity at 45°. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.82	28.83	28.83	28.83	28.84	28.85	28.86	28.86	28.88	28.89	28.90	28.91	28.91	28.91	28.92	28.93	28.94	28.96	28.98	29.00	29.01	29.03	29.04	29.05	28.916
2	29.05	29.06	29.06	29.06	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.07	29.030
3	29.04	29.04	29.04	29.04	29.04	29.04	29.03	29.03	29.03	29.02	29.02	29.01	29.00	28.99	28.99	28.98	28.98	28.98	28.98	28.98	28.98	28.98	28.98	28.97	29.007
4	28.96	28.96	28.95	28.95	28.95	28.96	28.96	28.97	28.97	28.98	28.98	28.99	28.99	28.98	28.98	28.98	28.98	28.99	28.99	29.00	29.01	29.01	29.03	29.04	28.981
5	29.05	29.06	29.07	29.07	29.08	29.09	29.10	29.11	29.12	29.14	29.15	29.16	29.16	29.17	29.17	29.18	29.19	29.20	29.21	29.21	29.22	29.23	29.24	29.25	29.150
6	29.25	29.25	29.25	29.26	29.27	29.27	29.28	29.29	29.30	29.30	29.31	29.31	29.32	29.32	29.33	29.33	29.34	29.35	29.35	29.35	29.36	29.37	29.37	29.37	29.311
7	29.38	29.38	29.38	29.38	29.39	29.39	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.373
8	29.33	29.32	29.31	29.30	29.29	29.29	29.28	29.28	29.27	29.26	29.25	29.24	29.22	29.20	29.19	29.18	29.17	29.16	29.15	29.15	29.13	29.13	29.13	29.13	29.224
9	29.13	29.13	29.13	29.12	29.11	29.11	29.10	29.10	29.10	29.11	29.11	29.12	29.11	29.11	29.11	29.11	29.11	29.12	29.12	29.13	29.13	29.13	29.13	29.13	29.117
10	29.13	29.13	29.13	29.13	29.13	29.13	29.14	29.15	29.15	29.16	29.16	29.17	29.17	29.17	29.21	29.21	29.21	29.21	29.22	29.22	29.23	29.24	29.25	29.26	29.159
11	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.21	29.21	29.21	29.21	29.21	29.21	29.21	29.22	29.22	29.23	29.24	29.25	29.26	29.210
12	29.26	29.26	29.26	29.26	29.27	29.27	29.27	29.27	29.28	29.28	29.28	29.28	29.27	29.28	29.28	29.28	29.27	29.28	29.28	29.29	29.29	29.30	29.31	29.32	29.277
13	29.32	29.33	29.33	29.33	29.33	29.33	29.33	29.34	29.36	29.36	29.36	29.36	29.36	29.36	29.35	29.34	29.34	29.34	29.35	29.35	29.35	29.35	29.36	29.36	29.345
14	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.36	29.32	29.32	29.31	29.31	29.31	29.30	29.29	29.29	29.29	29.29	29.331
15	29.29	29.28	29.27	29.27	29.26	29.26	29.26	29.26	29.26	29.26	29.26	29.25	29.24	29.24	29.25	29.25	29.25	29.26	29.27	29.27	29.28	29.29	29.30	29.297	
16	29.31	29.32	29.33	29.33	29.35	29.36	29.37	29.38	29.38	29.38	29.39	29.39	29.40	29.40	29.40	29.40	29.41	29.41	29.41	29.41	29.41	29.41	29.42	29.382	
17	29.41	29.41	29.41	29.41	29.41	29.41	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.363
18	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.28	29.216
19	29.22	29.22	29.22	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.223
20	29.17	29.17	29.17	29.17	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.18	29.205
21	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.23	29.223
22	28.88	28.88	28.84	28.83	28.83	28.81	28.80	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.80	28.81	28.82	28.83	28.84	28.85	28.87	28.89	28.92	28.825
23	28.94	28.97	29.01	29.04	29.06	29.11	29.14	29.18	29.22	29.24	29.28	29.31	29.33	29.34	29.35	29.36	29.36	29.35	29.34	29.33	29.31	29.29	29.28	29.24	28.825
24	28.90	28.90	28.90	28.90	28.90	29.03	29.02	29.09	29.09	29.09	29.08	29.08	29.08	29.06	29.04	29.02	29.01	29.04	29.04	29.04	29.04	29.03	29.03	29.03	28.994
25	28.75	28.76	28.76	28.77	28.77	28.78	28.81	28.80	28.79	28.79	28.79	28.78	28.77	28.76	28.74	28.73	28.73	28.73	28.74	28.74	28.74	28.74	28.74	28.74	28.784
26	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.92	28.894
27	28.76	28.76	28.76	28.77	28.77	28.78	28.80	28.82	28.85	28.85	28.85	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.894
28	28.83	28.84	28.84	28.86	28.87	28.88	28.88	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.89	28.839
29	29.02	29.02	29.02	29.02	29.03	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	28.848
30	28.99	28.99	29.00	29.00	29.01	29.03	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	28.902
31	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	29.01	28.920
Mean	29.117	29.115	29.114	29.112	29.113	29.113	29.114	29.117	29.120	29.122	29.124	29.123	29.121	29.118	29.116	29.115	29.116	29.117	29.118	29.119	29.120	29.120	29.120	29.121	29.118

TABLE 29.—Pressure—Hourly values, Bolling Advance Base

MARCH 1934

(Station pressure, 1800th meridian time)

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
27	28.90	28.91	28.92	28.94	28.94	28.94	28.94	28.95	28.96	28.96	28.98	28.98	28.92	28.82	28.82	28.83	28.83	28.83	28.83	28.87	28.87	28.88	28.90	28.90	28.842
28	29.06	29.07	29.08	29.09	29.10	29.10	29.10	29.11	29.12	29.13	29.14	29.16	29.17	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.22	29.22	29.24	29.05	28.964
29	29.25	29.25	29.23	29.23	29.22	29.21	29.19	29.18	29.18	29.16	29.16	29.15	29.16	29.17	29.16	29.15	29.15	29.13	29.13	29.12	29.12	29.12	29.12	29.12	29.169
30	29.12	29.12	29.12	29.10	29.09	29.08	29.08	29.07	29.07	29.06	29.07	29.07	29.07	29.07	29.08	29.08	29.09	29.09	29.10	29.09	29.11	29.11	29.11	29.12	29.090

APRIL 1934

(Station pressure, 1800th meridian time)

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.13	28.12	28.12	28.12	28.11	28.09	28.08	28.04	28.01	28.00	28.99	28.98	28.96	28.97	28.95	28.94	28.92	28.89	28.87	28.83	28.81	28.79	28.76	28.75	28.905
2	28.74	28.69	28.63	28.60	28.58	28.56	28.54	28.51	28.48	28.44	28.41	28.38	28.35	28.32	28.29	28.26	28.23	28.20	28.17	28.14	28.11	28.08	28.04	28.02	28.909
3	28.60	28.58	28.54	28.50	28.47	28.44	28.41	28.38	28.35	28.32	28.29	28.26	28.23	28.20	28.17	28.14	28.11	28.08	28.05	28.02	27.99	27.97	27.97	28.03	28.140
4	28.05	28.05	28.05	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04	28.04
5	28.68	28.70	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73	28.73
6	28.70	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75	28.75
7	28.78	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77	28.77
8	28.67	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66	28.66
9	28.81	28.81	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82
10	28.96	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94	28.94
11	28.85	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84
12	28.73	28.72	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71
13	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78
14	28.81	28.80	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82	28.82
15	28.72	28.70	28.69	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67
16	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79	28.79
17	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86	28.86
18	28.85	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.84
19	29.01	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00
20	29.10	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08	29.08
21	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00	29.00
22	28.90	28.88	28.87	28.84	28.82	28.81	28.80	28.79	28.77	28.77	28.78	28.78	28.78	28.77	28.76	28.75	28.73	28.73	28.74	28.74	28.74	28.74	28.74	28.74	28.74
23	28.81	28.81	28.80	28.79	28.78	28.77	28.76	28.75	28.74	28.73	28.72	28.71	28.70	28.69	28.68	28.67	28.66	28.65	28.64	28.63	28.62	28.61	28.60	28.59	28.58
24	28.49	28.49	28.48	28.48	28.47	28.46	28.45	28.44	28.43	28.42	28.41	28.40	28.39	28.38	28.37	28.36	28.35	28.34	28.33	28.32	28.31	28.30	28.29	28.28	28.27
25	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51	28.51
26	28.73	28.71	28.70	28.68	28.66	28.65	28.64	28.63	28.62	28.61	28.60	28.59	28.58	28.57	28.56	28.55	28.54	28.53	28.52	28.51	28.50	28.49	28.48	28.47	28.46
27	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67	28.67
28	28.50	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49	28.49
29	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90	28.90
30	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95	28.95
Mean	28.765	28.757	28.750	28.737	28.720	28.707	28.699	28.690	28.680	28.670	28.660	28.650	28.640	28.630	28.620	28.610	28.600	28.590	28.580	28.570	28.560	28.550	28.540	28.530	28.520

TABLE 29.—*Pressure—Hourly values, Bolling Advance Base—Continued*

MAY 1934

[Station pressure. 180th meridian time]

Hour	Day																								Mean	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1.	28.73	28.71	28.69	28.66	28.64	28.61	28.57	28.54	28.52	28.50	28.50	28.50	28.51	28.51	28.49	28.48	28.47	28.46	28.46	28.46	28.46	28.46	28.46	28.47	28.536	
2.	28.47	28.46	28.45	28.44	28.43	28.42	28.41	28.41	28.40	28.39	28.39	28.41	28.42	28.44	28.47	28.49	28.49	28.50	28.51	28.52	28.56	28.56	28.60	28.63	28.65	28.477
3.	28.67	28.67	28.67	28.67	28.67	28.68	28.69	28.70	28.73	28.76	28.81	28.83	28.85	28.91	28.94	28.95	28.97	29.02	29.02	29.05	29.07	29.09	29.12	29.14	29.16	28.562
4.	29.15	29.17	29.19	29.17	29.17	29.17	29.16	29.16	29.15	29.13	29.13	29.14	29.16	29.18	29.19	29.19	29.18	29.17	29.19	29.20	29.20	29.21	29.22	29.24	29.176	28.562
5.	29.26	29.25	29.24	29.23	29.23	29.23	29.23	29.22	29.21	29.21	29.23	29.25	29.26	29.27	29.27	29.27	29.27	29.29	29.29	29.29	29.29	29.31	29.30	29.31	29.259	28.562
6.	29.29	29.27	29.26	29.24	29.23	29.23	29.22	29.20	29.19	29.20	29.20	29.21	29.20	29.20	29.18	29.17	29.15	29.12	29.11	29.11	29.11	29.12	29.12	29.14	29.176	28.562
7.	29.12	29.11	29.10	29.07	29.06	29.05	29.03	29.01	29.00	29.08	29.05	29.03	29.00	29.00	29.01	29.03	29.05	29.08	29.09	29.08	29.08	29.08	29.08	29.08	28.966	28.562
8.	28.87	28.87	28.86	28.85	28.85	28.85	28.84	28.84	28.82	28.82	28.80	28.77	28.77	28.76	28.76	28.77	28.76	28.76	28.76	28.76	28.77	28.76	28.76	28.75	28.799	28.966
9.	28.75	28.74	28.73	28.72	28.72	28.70	28.69	28.68	28.68	28.66	28.65	28.65	28.65	28.65	28.62	28.62	28.61	28.60	28.60	28.60	28.62	28.63	28.63	28.63	28.608	28.608
10.	28.63	28.62	28.60	28.60	28.60	28.61	28.61	28.61	28.63	28.62	28.63	28.68	28.71	28.74	28.75	28.76	28.76	28.77	28.78	28.82	28.83	28.85	28.85	28.703	28.608	28.608
11.	28.86	28.84	28.83	28.80	28.80	28.80	28.79	28.79	28.78	28.78	28.76	28.77	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.78	28.81	28.81	28.82	28.83	28.796	28.608
12.	28.83	28.81	28.80	28.80	28.80	28.78	28.78	28.76	28.73	28.73	28.69	28.67	28.65	28.65	28.61	28.56	28.53	28.50	28.48	28.45	28.43	28.43	28.41	28.40	28.640	28.608
13.	28.37	28.37	28.36	28.34	28.32	28.30	28.29	28.29	28.28	28.25	28.24	28.26	28.26	28.26	28.25	28.25	28.24	28.23	28.22	28.22	28.23	28.23	28.25	28.25	28.274	28.608
14.	28.20	28.21	28.20	28.19	28.18	28.18	28.19	28.19	28.17	28.18	28.17	28.16	28.16	28.17	28.21	28.21	28.22	28.24	28.29	28.31	28.33	28.37	28.39	28.42	28.201	28.608
15.	28.44	28.46	28.48	28.49	28.51	28.52	28.54	28.56	28.56	28.56	28.57	28.60	28.64	28.66	28.67	28.67	28.67	28.67	28.69	28.70	28.76	28.77	28.80	28.81	28.617	28.608
16.	28.83	28.83	28.84	28.86	28.86	28.87	28.88	28.89	28.92	28.94	28.98	28.98	28.98	28.98	29.00	29.00	29.01	29.01	29.02	29.03	29.08	29.09	29.10	29.11	29.055	28.608
17.	29.11	29.11	29.10	29.10	29.09	29.09	29.08	29.07	29.05	29.05	29.05	29.05	29.06	29.06	29.04	29.04	29.04	29.04	29.03	29.02	29.02	29.02	29.02	29.02	29.055	28.608
18.	29.09	29.07	29.05	29.03	29.00	28.98	28.96	28.94	28.93	28.91	28.78	28.79	28.79	28.79	28.77	28.74	28.71	28.69	28.66	28.64	28.63	28.63	28.64	28.65	28.796	28.608
19.	28.67	28.66	28.67	28.67	28.66	28.66	28.70	28.72	28.73	28.75	28.80	28.82	28.84	28.86	28.88	28.89	28.91	28.92	28.92	28.94	28.96	28.99	29.01	29.04	28.823	28.608
20.	29.04	29.04	29.04	29.04	29.05	29.07	29.07	29.07	29.08	29.07	29.09	29.09	29.10	29.12	29.12	29.12	29.12	29.11	29.09	29.08	29.08	29.09	29.09	29.09	29.075	28.608
21.	29.04	29.04	29.04	29.04	29.05	29.07	29.07	29.07	29.08	29.07	29.09	29.09	29.10	29.12	29.12	29.12	29.12	29.11	29.09	29.08	29.08	29.09	29.09	29.09	29.075	28.608
22.	28.94	28.94	28.93	28.77	28.69	28.62	28.57	28.50	28.47	28.44	28.45	28.47	28.49	28.53	28.54	28.56	28.56	28.56	28.55	28.57	28.59	28.64	28.64	28.70	29.105	28.608
23.	28.76	28.81	28.85	28.90	28.94	28.99	29.03	29.06	29.07	29.10	29.11	29.15	29.21	29.23	29.25	29.26	29.27	29.25	29.24	29.22	29.20	29.21	29.20	29.20	29.075	28.608
24.	29.19	29.19	29.18	29.16	29.15	29.12	29.10	29.08	29.05	29.04	29.03	29.03	29.02	29.01	29.01	29.01	29.01	29.02	29.03	29.04	29.07	29.08	29.09	29.09	29.075	28.608
25.	29.09	29.09	29.08	29.05	29.06	29.02	29.01	29.00	28.99	28.98	28.96	28.96	28.97	28.98	28.97	28.96	28.96	28.95	28.95	28.94	28.94	28.93	28.93	28.93	28.903	28.608
26.	29.02	29.00	29.00	29.00	29.00	29.07	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	29.06	28.803	28.608
27.	28.74	28.74	28.73	28.73	28.73	28.73	28.73	28.72	28.71	28.69	28.66	28.64	28.63	28.62	28.59	28.57	28.56	28.53	28.51	28.50	28.49	28.49	28.48	28.46	28.623	28.608
28.	28.45	28.44	28.42	28.39	28.38	28.39	28.39	28.39	28.38	28.38	28.39	28.40	28.40	28.44	28.44	28.44	28.45	28.46	28.47	28.47	28.48	28.49	28.50	28.50	28.438	28.608
29.	28.55	28.59	28.60	28.61	28.62	28.63	28.65	28.66	28.65	28.65	28.66	28.68	28.70	28.72	28.74	28.75	28.76	28.74	28.75	28.76	28.78	28.79	28.81	28.83	28.694	28.608
30.	28.84	28.85	28.84	28.84	28.84	28.84	28.83	28.82	28.82	28.80	28.78	28.79	28.80	28.80	28.80	28.78	28.78	28.77	28.77	28.77	28.78	28.80	28.81	28.83	28.808	28.608
31.	28.84	28.85	28.85	28.85	28.86	28.87	28.87	28.87	28.86	28.86	28.87	28.87	28.87	28.87	28.85	28.85	28.85	28.81	28.81	28.80	28.78	28.78	28.77	28.77	28.837	28.608
Mean	28.802	28.800	28.793	28.785	28.780	28.775	28.770	28.764	28.766	28.762	28.762	28.762	28.769	28.774	28.776	28.775	28.773	28.766	28.760	28.770	28.770	28.789	28.795	28.801	28.776	28.776

TABLE 29.—Pressure—Hourly values, *Bolling Advance Base*—Continued

JULY 1934

[Station pressure, 1800h meridian time]

Hour	Day																								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
29.26	29.24	29.21	29.19	29.17	29.15	29.12	29.10	29.06	29.04	29.02	29.00	28.96	28.96	28.96	28.95	28.94	28.94	28.93	28.92	28.92	28.93	28.93	28.92	28.92	29.034
28.92	28.92	28.93	28.91	28.90	28.88	28.88	28.87	28.86	28.84	28.82	28.80	28.78	28.78	28.78	28.78	28.77	28.71	28.69	28.65	28.64	28.64	28.63	28.63	28.63	28.784
28.64	28.64	28.63	28.64	28.63	28.63	28.64	28.65	28.64	28.63	28.63	28.63	28.63	28.63	28.63	28.64	28.66	28.67	28.69	28.71	28.72	28.73	28.73	28.76	28.78	28.607
28.79	28.78	28.79	28.79	28.79	28.79	28.79	28.80	28.79	28.78	28.79	28.79	28.77	28.77	28.77	28.77	28.76	28.77	28.77	28.76	28.76	28.77	28.78	28.77	28.77	28.77
28.77	28.77	28.76	28.75	28.75	28.74	28.75	28.75	28.74	28.74	28.74	28.73	28.72	28.72	28.74	28.74	28.74	28.74	28.75	28.76	28.77	28.78	28.77	28.77	28.77	28.752
28.79	28.79	28.79	28.78	28.78	28.78	28.77	28.77	28.76	28.75	28.75	28.73	28.72	28.72	28.73	28.75	28.76	28.76	28.79	28.80	28.81	28.81	28.82	28.84	28.84	28.770
28.85	28.84	28.83	28.83	28.84	28.84	28.84	28.84	28.84	28.84	28.84	28.85	28.86	28.87	28.90	28.91	28.92	28.94	28.95	28.97	29.00	29.01	29.02	29.04	29.05	28.805
28.99	28.97	28.96	28.91	28.89	28.89	28.87	28.84	28.83	28.81	28.81	28.80	28.78	28.77	28.79	28.80	28.81	28.83	28.83	28.84	28.86	28.86	28.87	28.88	28.88	28.838
28.82	28.82	28.81	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.79	28.79	28.80	28.81	28.81	28.83	28.83	28.84	28.86	28.86	28.88	28.90	28.90	28.819
28.90	28.90	28.90	28.90	28.88	28.88	28.88	28.87	28.86	28.86	28.86	28.86	28.86	28.86	28.88	28.89	28.90	28.90	28.91	28.93	28.94	28.93	28.93	28.93	28.93	28.892
28.94	28.94	28.92	28.92	28.89	28.86	28.85	28.85	28.83	28.81	28.80	28.77	28.77	28.77	28.76	28.76	28.75	28.75	28.74	28.75	28.76	28.77	28.78	28.79	28.814	
28.81	28.82	28.82	28.84	28.85	28.86	28.87	28.87	28.88	28.88	28.88	28.88	28.88	28.88	28.91	28.92	28.92	28.94	28.93	28.93	28.93	28.94	28.95	28.95	28.95	28.890
28.95	28.95	28.96	28.95	28.93	28.91	28.90	28.88	28.87	28.85	28.84	28.80	28.76	28.75	28.75	28.75	28.74	28.74	28.73	28.73	28.74	28.74	28.74	28.74	28.74	28.821
28.74	28.74	28.73	28.72	28.72	28.69	28.69	28.69	28.67	28.64	28.63	28.58	28.55	28.53	28.51	28.48	28.43	28.41	28.38	28.35	28.34	28.32	28.31	28.31	28.31	28.648
28.28	28.24	28.21	28.20	28.17	28.17	28.15	28.12	28.09	28.08	28.03	28.01	27.99	27.97	27.96	27.98	27.97	27.95	27.95	27.94	27.95	27.95	27.96	27.96	27.96	28.056
27.98	28.00	28.01	28.02	28.02	28.05	28.06	28.06	28.09	28.11	28.14	28.18	28.23	28.25	28.26	28.28	28.28	28.26	28.26	28.26	28.26	28.27	28.27	28.27	28.27	28.158
28.24	28.24	28.23	28.20	28.20	28.17	28.16	28.11	28.10	28.09	28.08	28.07	28.06	28.06	28.06	28.07	28.10	28.12	28.13	28.14	28.16	28.17	28.20	28.21	28.21	28.140
28.23	28.25	28.26	28.26	28.27	28.28	28.29	28.30	28.29	28.29	28.28	28.28	28.28	28.27	28.26	28.25	28.25	28.26	28.26	28.26	28.26	28.26	28.26	28.26	28.26	28.279
28.30	28.29	28.30	28.31	28.32	28.34	28.37	28.38	28.40	28.42	28.44	28.47	28.46	28.46	28.46	28.49	28.50	28.52	28.54	28.55	28.59	28.59	28.61	28.61	28.61	28.452
28.62	28.63	28.66	28.67	28.68	28.68	28.70	28.72	28.74	28.76	28.80	28.82	28.86	28.90	28.94	28.97	29.02	29.06	29.11	29.16	29.21	29.23	29.26	29.27	29.27	28.895
29.30	29.32	29.34	29.35	29.36	29.37	29.38	29.39	29.40	29.41	29.42	29.43	29.44	29.45	29.46	29.47	29.49	29.50	29.53	29.54	29.56	29.58	29.60	29.62	29.64	29.424
29.24	29.25	29.26	29.26	29.28	29.30	29.31	29.33	29.33	29.36	29.36	29.39	29.43	29.47	29.49	29.50	29.53	29.54	29.54	29.56	29.58	29.60	29.62	29.64	29.64	29.506
29.65	29.65	29.65	29.64	29.64	29.64	29.63	29.62	29.61	29.61	29.57	29.55	29.53	29.51	29.49	29.45	29.43	29.41	29.40	29.37	29.34	29.32	29.30	29.29	29.29	29.506
29.30	29.28	29.27	29.23	29.22	29.21	29.20	29.20	29.19	29.17	29.16	29.13	29.12	29.10	29.10	29.10	29.10	29.11	29.12	29.13	29.14	29.15	29.16	29.17	29.17	29.162
29.14	29.14	29.13	29.10	29.10	29.10	29.10	29.10	29.08	29.05	29.02	28.99	28.98	28.95	28.96	28.95	28.94	28.92	28.92	28.90	28.89	28.89	28.89	28.89	28.89	29.068
28.88	28.86	28.85	28.84	28.82	28.81	28.81	28.82	28.83	28.83	28.83	28.81	28.80	28.82	28.82	28.84	28.84	28.85	28.86	28.88	28.88	28.91	28.92	28.93	28.94	28.800
28.95	28.96	28.96	28.96	28.95	28.95	28.94	28.94	28.94	28.93	28.93	28.92	28.90	28.89	28.89	28.90	28.90	28.87	28.85	28.83	28.83	28.82	28.81	28.81	28.81	28.895
28.81	28.80	28.78	28.77	28.75	28.74	28.73	28.72	28.69	28.67	28.64	28.61	28.60	28.59	28.61	28.60	28.59	28.57	28.56	28.56	28.55	28.53	28.52	28.52	28.52	28.652
28.51	28.48	28.47	28.45	28.43	28.40	28.38	28.36	28.35	28.34	28.33	28.32	28.31	28.30	28.31	28.29	28.26	28.23	28.21	28.21	28.21	28.21	28.21	28.21	28.21	28.324
28.21	28.21	28.21	28.19	28.19	28.19	28.19	28.18	28.17	28.16	28.16	28.15	28.14	28.14	28.16	28.17	28.17	28.18	28.17	28.16	28.15	28.15	28.17	28.18	28.18	28.175
Mean	28.800	28.797	28.789	28.789	28.783	28.778	28.770	28.771	28.757	28.752	28.744	28.734	28.735	28.742	28.743	28.743	28.744	28.744	28.746	28.753	28.755	28.758	28.764	28.760	

AUGUST 1934
[Station pressure, 1800h meridian time]

Hour	Day																								Mean
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
28.18	28.16	28.15	28.13	28.11	28.08	28.05	28.02	27.99	27.97	27.94	27.89	27.85	27.84	27.85	27.81	27.98	28.00	28.03	28.06	27.72	27.72	27.72	27.72	27.74	27.938
27.77	27.79	27.82	27.84	27.87	27.88	27.90	27.92	27.93	27.92	27.93	27.92	27.93	27.93	27.95	27.97	27.98	28.00	28.03	28.06	28.10	28.14	28.19	28.24	27.959	
28.27	28.32	28.37	28.42	28.46	28.48	28.50	28.52	28.53	28.52	28.52	28.51	28.50	28.51	28.52	28.54	28.54	28.54	28.54	28.54	28.55	28.56	28.57	28.57	28.496	
28.57	28.57	28.57	28.56	28.54	28.52	28.50	28.48	28.46	28.44	28.41	28.37	28.36	28.35	28.34	28.33	28.32	28.32	28.32	28.32	28.33	28.35	28.37	28.40	28.421	
28.41	28.43	28.45	28.47	28.49	28.52	28.55	28.58	28.61	28.62	28.63	28.65	28.65	28.66	28.68	28.71	28.72	28.73	28.72	28.72	28.72	28.73	28.75	28.77	28.621	
28.72	28.71	28.70	28.69	28.68	28.66	28.65	28.64	28.63	28.62	28.60	28.58	28.56	28.55	28.54	28.53	28.51	28.50	28.49	28.47	28.45	28.44	28.43	28.43	28.574	
28.44	28.44	28.43	28.42	28.41	28.40	28.39	28.39	28.39	28.37	28.36	28.34	28.32	28.31	28.32	28.32	28.32	28.31	28.31	28.32	28.33	28.34	28.35	28.38	28.360	
28.36	28.36	28.37	28.38	28.39	28.40	28.41	28.42	28.42	28.42	28.42	28.43	28.44	28.45	28.46	28.47	28.49	28.51	28.53	28.55	28.56	28.57	28.58	28.60	28.459	
28.61	28.61	28.61	28.62	28.62	28.63	28.63	28.63	28.63	28.62	28.61	28.60	28.60	28.60	28.60	28.61	28.61	28.61	28.62	28.63	28.64	28.65	28.66	28.66	28.621	
28.67	28.67	28.68	28.68	28.67	28.67	28.67	28.67	28.66	28.65	28.64	28.63	28.62	28.61	28.61	28.62	28.62	28.61	28.61	28.60	28.60	28.60	28.60	28.60	28.634	
28.57	28.56	28.55	28.54	28.53	28.51	28.50	28.48	28.45	28.42	28.39	28.37	28.35	28.31	28.29	28.27	28.25	28.23	28.22	28.20	28.18	28.19	28.19	28.20	28.365	
28.20	28.21	28.21	28.21	28.21	28.21	28.21	28.21	28.21	28.20	28.20	28.19	28.18	28.18	28.16	28.14	28.13	28.12	28.11	28.10	28.09	28.09	28.08	28.07	28.163	
28.07	28.06	28.06	28.06	28.06	28.07	28.07	28.07	28.07	28.07	28.08	28.08	28.08	28.08	28.08	28.08	28.08	28.08	28.09	28.09	28.10	28.13	28.17	28.19	28.086	
28.21	28.22	28.25	28.25	28.26	28.27	28.29	28.30	28.31	28.32	28.35	28.37	28.39	28.40	28.41	28.42	28.44	28.47	28.50	28.52	28.55	28.60	28.62	28.64	28.300	
28.68	28.69	28.73	28.78	28.78	28.79	28.79	28.82	28.82	28.82	28.81	28.82	28.82	28.81	28.79	28.78	28.76	28.74	28.72	28.68	28.68	28.66	28.65	28.64	28.752	
28.61	28.58	28.57	28.52	28.48	28.45	28.44	28.41	28.38	28.35	28.33	28.32	28.30	28.25	28.21	28.17	28.15	28.08	28.02	28.02	28.01	28.01	28.01	28.01	28.278	
28.01	28.00	28.00	28.01	28.02	28.03	28.04	28.05	28.06	28.07	28.07	28.09	28.11	28.12	28.13	28.13	28.15	28.16	28.17	28.18	28.18	28.20	28.22	28.23	28.101	
28.24	28.24	28.24	28.24	28.24	28.25	28.28	28.30	28.32	28.33	28.35	28.37	28.40	28.41	28.41	28.45	28.45	28.41	28.41	28.40	28.40	28.40	28.41	28.42	28.349	
28.43	28.43	28.43	28.41	28.41	28.40	28.39	28.39	28.38	28.35	28.34	28.33	28.32	28.29	28.27	28.24	28.21	28.18	28.15	28.13	28.11	28.10	28.06	28.01	28.292	
28.00	27.98	27.97	27.95	27.92	27.90	27.89	27.89	27.86	27.87	27.86	27.86	27.85	27.89	27.90	27.90	27.97	27.97	28.00	28.00	28.03	28.04	28.09	28.12	27.947	
28.14	28.16	28.16	28.17	28.17	28.17	28.17	28.17	28.18	28.18	28.18	28.19	28.20	28.21	28.21	28.22	28.24	28.25	28.26	28.28	28.30	28.31	28.32	28.34	28.215	
28.35	28.37	28.38	28.39	28.40	28.41	28.43	28.44	28.45	28.45	28.46	28.46	28.47	28.49	28.49	28.50	28.50	28.50	28.50	28.50	28.50	28.48	28.49	28.40	28.454	
28.40	28.45	28.47	28.46	28.45	28.43	28.41	28.40	28.40	28.38	28.37	28.36	28.32	28.32	28.31	28.31	28.31	28.30	28.30	28.30	28.30	28.30	28.31	28.31	28.366	
28.31	28.31	28.31	28.31	28.31	28.30	28.29	28.30	28.31	28.32	28.33	28.34	28.36	28.38	28.40	28.41	28.41	28.41	28.42	28.42	28.44	28.46	28.46	28.46	28.361	
28.46	28.44	28.44	28.42	28.42	28.39	28.38	28.35	28.35	28.35	28.34	28.30	28.27	28.27	28.25	28.24	28.24	28.23	28.22	28.21	28.23	28.24	28.25	28.314		
28.25	28.24	28.20	28.20	28.17	28.14	28.11	28.09	28.06	28.03	28.00	27.98	27.96	27.96	27.94	27.92	27.90	27.88	27.86	27.82	27.84	27.84	27.85	28.036		
27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.680	
28.80	28.81	28.81	28.82	28.83	28.84	28.85	28.85	28.85	28.86	28.84	28.83	28.83	28.84	28.85	28.84	28.84	28.82	28.81	28.80	28.81	28.82	28.82	28.81	28.828	
28.81	28.81	28.82	28.79	28.78	28.76	28.74	28.73	28.72	28.72	28.72	28.70	28.71	28.69	28.68	28.68	28.68	28.68	28.68	28.68	28.68	28.67	28.66	28.66	28.719	
28.64	28.62	28.62	28.60	28.58	28.57	28.57	28.54	28.53	28.52	28.51	28.49	28.46	28.44	28.43	28.43	28.41	28.40	28.38	28.37	28.36	28.37	28.34	28.34	28.490	
28.389	28.388	28.392	28.391	28.388	28.384	28.383	28.382	28.378	28.348	28.365	28.357	28.358	28.358	28.357	28.357	28.376	28.371	28.370	28.349	28.369	28.400	28.382	28.389	28.374	

TABLE 29.—Pressure—Hourly values, *Bolling Advance Base*—Continued

SEPTEMBER 1934

[Station pressure, 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.34	28.34	28.33	28.33	28.32	28.31	28.30	28.29	28.28	28.28	28.26	28.24	28.22	28.22	28.21	28.20	28.19	28.18	28.18	28.16	28.15	28.14	28.13	28.11	28.238
2	28.10	28.10	28.08	28.07	28.05	28.03	28.01	28.02	28.03	28.04	28.05	28.04	28.03	28.06	28.07	28.08	28.07	28.06	28.04	28.02	27.99	27.96	27.92	27.88	28.334
3	27.81	27.77	27.77	27.76	27.75															27.62					27.747
4														27.74	27.77	27.80	27.83	27.85	27.89	27.92	27.94	27.97	28.00	28.03	27.885
5														28.36	28.38	28.39	28.40	28.41	28.40	28.40	28.40	28.40	28.40	28.40	28.315
6														28.54	28.54	28.54	28.54	28.54	28.53	28.53	28.53	28.53	28.53	28.53	28.527
7														28.53	28.53	28.53	28.52	28.51	28.50	28.49	28.47	28.47	28.46	28.46	28.519
8														28.39	28.39	28.40	28.41	28.43	28.45	28.48	28.50	28.52	28.54	28.56	28.432
9														28.38	28.38	28.39	28.40	28.41	28.43	28.45	28.48	28.50	28.52	28.54	28.439
10														28.43	28.43	28.44	28.45	28.46	28.48	28.50	28.52	28.54	28.56	28.58	28.545
11														28.58	28.58	28.59	28.60	28.61	28.63	28.66	28.72	28.74	28.76	28.81	28.545
12														28.87	28.87	28.87	28.87	28.87	28.86	28.86	28.86	28.86	28.87	28.88	28.605
13														28.78	28.78	28.77	28.77	28.77	28.76	28.75	28.74	28.73	28.72	28.70	28.700
14														28.11	28.12	28.13	28.14	28.16	28.18	28.21	28.23	28.24	28.27	28.30	28.179
15														28.55	28.55	28.56	28.57	28.58	28.59	28.60	28.61	28.62	28.63	28.62	28.569
16														28.85	28.85	28.86	28.87	28.88	28.89	28.90	28.91	28.92	28.93	28.92	28.813
17														28.17	28.18	28.18	28.18	28.19	28.20	28.21	28.22	28.23	28.24	28.24	28.286
18														28.44	28.44	28.44	28.44	28.45	28.46	28.47	28.48	28.49	28.50	28.50	28.426
19														28.44	28.44	28.44	28.44	28.45	28.46	28.47	28.48	28.49	28.50	28.50	28.426
20														28.47	28.47	28.47	28.47	28.48	28.49	28.50	28.51	28.52	28.53	28.53	28.501
21														28.67	28.67	28.67	28.67	28.68	28.69	28.70	28.71	28.72	28.73	28.73	28.586
22														28.16	28.16	28.16	28.16	28.17	28.18	28.19	28.20	28.21	28.22	28.22	28.139
23														28.31	28.31	28.31	28.31	28.32	28.33	28.34	28.35	28.36	28.37	28.37	28.514
24														28.62	28.62	28.62	28.62	28.63	28.64	28.65	28.66	28.67	28.68	28.68	28.413
25														28.64	28.64	28.64	28.64	28.65	28.66	28.67	28.68	28.69	28.70	28.70	28.514
26														28.64	28.64	28.64	28.64	28.65	28.66	28.67	28.68	28.69	28.70	28.70	28.514
27														28.54	28.54	28.54	28.54	28.55	28.56	28.57	28.58	28.59	28.60	28.60	28.555
28														28.52	28.52	28.52	28.52	28.53	28.54	28.55	28.56	28.57	28.58	28.58	28.562
29														28.70	28.70	28.70	28.70	28.71	28.72	28.73	28.74	28.75	28.76	28.76	28.678
30														28.71	28.71	28.71	28.71	28.72	28.73	28.74	28.75	28.76	28.77	28.77	28.625
Mean	28.511	28.512	28.512	28.508	28.502	28.502	28.504	28.520	28.513	28.516	28.511	28.504	28.502	28.479	28.483	28.486	28.490	28.492	28.495	28.467	28.498	28.503	28.507	28.512	28.503

OCTOBER 1934

[Station pressure, 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	28.43	28.48	28.52	28.57	28.60	28.62	28.65	28.68	28.70	28.71	28.71	28.72	28.74	28.75	28.75	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.600
2	28.78	28.79	28.79	28.78	28.78	28.76	28.75	28.74	28.74	28.74	28.73	28.72	28.73	28.73	28.72	28.72	28.72	28.73	28.73	28.73	28.74	28.74	28.73	28.73	28.745
3	28.73	28.73	28.73	28.73	28.71	28.69	28.68	28.66	28.65	28.64	28.63	28.62	28.61	28.60	28.59	28.58	28.57	28.56	28.55	28.54	28.53	28.52	28.51	28.50	28.600
4	28.44	28.43	28.41	28.39	28.37	28.35	28.33	28.31	28.29	28.27	28.26	28.25	28.24	28.23	28.22	28.21	28.20	28.19	28.18	28.17	28.16	28.15	28.14	28.13	28.221
5	28.05	28.04	28.03	28.01	28.01	28.00	27.98	27.97	27.96	27.94	27.93	27.92	27.91	27.89	27.87	27.83	27.79	27.75	27.71	27.68	27.62	27.56	27.53	27.50	27.863
6														27.76	27.80	27.86	27.91	27.97	28.01	28.05	28.10	28.17	28.24	28.30	27.915
7	28.34	28.37	28.38	28.39	28.40	28.41	28.43	28.44	28.46	28.47	28.48	28.49	28.50	28.51	28.53	28.56	28.58	28.60	28.62	28.63	28.64	28.65	28.65	28.65	28.507

TABLE 30.—Temperatures—hourly values, on board the "City of New York" in the Bay of Whales

JANUARY 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day	22	20	20	22	23	25	24	24	24	25	26	27	26	26	26	26	25	25	25	25	25	25	25	24	24.5	28	20	8
1	22	20	20	22	23	25	24	24	24	25	26	27	26	26	26	26	25	25	25	25	25	25	25	24	24.5	28	20	8
2	25	24	25	26	27	27	27	27	27	28	29	29	29	29	29	29	27	27	27	27	27	27	27	27	26.1	30	24	6
3	27	26	26	27	28	28	28	28	28	29	29	29	29	29	29	29	27	27	27	27	27	27	27	27	26.9	30	24	6
4	23	22	23	23	25	26	24	24	25	26	26	27	27	28	28	28	26	26	26	26	26	26	26	26	24.1	30	24	6
5	17	18	18	18	19	18	18	20	24	25	26	27	27	28	28	28	26	26	26	26	26	26	26	26	24.9	30	24	6
6	28	28	28	28	31	29	29	30	30	29	29	30	30	30	30	30	28	28	28	28	28	28	28	28	26.0	32	22	10
7	19	22	23	23	24	23	24	23	24	25	26	26	26	26	26	26	24	24	24	24	24	24	24	24	23.7	35	19	16
8	20	20	18	18	17	17	18	19	18	18	18	19	19	20	21	20	19	18	21	19	19	17	16	16	18.4	21	15	6
9	19	20	22	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23.7	35	19	16
10	22	22	22	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23.7	35	19	16
11	13	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	18.4	21	15	6
12	8	9	9	11	13	14	15	15	17	23	27	27	27	27	27	27	27	27	27	27	27	27	27	27	21.2	30	8	22
13	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	21.2	30	8	22
14	19	20	13	17	18	21	25	26	29	29	31	26	28	30	28	26	26	32	31	30	27	26	26	26	25.5	33	13	20
15	24	24	6	6	7	11	10	12	15	13	14	17	18	19	19	17	16	18	14	12	12	10	8	6	16.2	27	6	21
16	3	3	6	4	8	8	7	10	14	16	25	25	26	28	26	21	14	10	7	5	3	3	6	8	12.2	28	3	25
17	8	9	8	9	8	6	8	9	10	10	11	12	11	12	13	13	13	12	12	12	12	12	11	11	10.5	13	6	7
18	9	8	8	8	6	5	7	9	16	17	17	17	18	18	19	19	19	19	19	19	20	21	22	28	29	10	19	10
19	11	12	11	11	12	13	14	15	16	16	17	17	18	18	19	19	19	19	19	19	20	21	22	28	29	10	19	10
20	28	28	28	29	30	30	32	32	31	32	33	34	33	35	34	32	30	32	28	28	28	28	28	28	30.5	37	26	11
21	26	25	24	25	26	27	27	27	27	28	29	29	29	30	30	30	28	28	28	28	28	28	28	28	31.5	42	24	18
22	27	29	28	29	31	32	33	33	34	35	35	35	37	42	38	36	36	34	32	30	28	26	26	26	28.5	35	22	13
23	21	19	17	16	17	17	23	28	25	24	27	28	31	35	28	27	26	24	23	20	19	23	18	16	23.4	35	16	19
24	16	17	17	16	18	21	21	23	26	32	35	36	34	29	27	31	33	33	24	23	22	21	20	27	28	38	16	22
25	16	17	17	16	18	21	21	23	26	32	35	36	34	29	27	31	33	33	24	23	22	21	20	27	28	38	16	22
26	30	26	25	30	31	32	32	31	34	36	38	39	37	39	36	28	29	27	27	30	20	13	9	6	20.2	30	6	24
27	21	20	21	23	23	24	24	26	28	29	24	24	24	24	24	22	21	23	24	25	26	27	26	27	15.4	28	2	26
28	6	4	4	2	3	4	7	8	7	8	12	17	20	21	22	21	23	24	26	26	26	27	26	27	15.4	28	2	26
29	28	28	28	26	24	25	26	27	30	30	32	30	30	31	26	25	24	26	26	26	26	27	26	27	15.4	28	2	26
30	8	11	9	6	5	5	7	10	9	11	13	14	16	17	18	17	14	11	8	5	4	0	0	0	9.0	19	-3	22
31	-5	-6	-5	-3	2	3	3	3	5	7	7	9	11	11	13	10	9	11	10	5	5	7	10	10	5.7	13	-6	19
Mean	17.9	17.8	17.6	17.9	19.1	19.6	20.4	21.2	21.8	22.9	24.0	25.0	25.3	26.0	25.1	23.9	23.3	22.3	21.3	20.4	19.1	18.5	18.6	18.0	21.1	28.9	12.7	16.2

FEBRUARY 1929

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day	11	12	12	15	11	9	12	10	14	12	14	15	15	15	14	15	14	15	15	14	11	7	6	6	12.2	16	6	10
1	11	12	12	15	11	9	12	10	14	12	14	15	15	15	14	15	14	15	15	14	11	7	6	6	12.2	16	6	10
2	7	6	7	7	8	9	9	10	12	12	13	14	14	14	13	13	13	13	13	13	14	11	8	5	10.7	15	5	10
3	1	1	-1	1	1	4	6	8	9	13	12	12	11	11	12	13	15	25	21	20	19	21	17	16	11.2	25	-1	26
4	16	16	15	15	15	14	16	14	15	16	17	14	13	13	12	12	12	11	9	7	7	6	1	3	12.0	21	1	20
5	3	2	5	2	5	6	5	-1	6	5	7	14	12	12	10	8	7	6	3	2	-3	-5	-6	-9	3.8	14	-9	23
6	-5	-2	0	1	1	2	6	8	11	9	10	11	12	12	13	15	15	15	14	15	13	17	17	22	9.7	22	-9	31
7	23	26	18	22	22	13	12	14	11	13	15	16	16	17	16	16	16	14	13	13	13	13	15	16	15.9	26	11	15
8	16	16	17	17	18	19	25	26	28	27	26	27	27	26	27	27	27	28	28	28	27	27	28	29	24.6	29	16	13
9	20	20	20	29	29	29	29	29	30	30	28	28	31	31	31	31	30	29	29	29	28	29	29	29	29.3	31	27	4
10	28	28	28	28	28	28	26	26	25	25	26	26	27	26	27	27	29	29	28	28	28	29	29	29	27.4	30	25	6
11	28	29	29	28	27	27	27	28	27	28	28	28	28	28	27	27	27	26	25	24	24	23	25	25	26.7	30	23	7
12	26	23	23	23	26	27	27	27	28	28	28	27	29	29	32	29	29	29	29	30	29	29	14	18	32.6	29	14	15
13	22	23	26	26	27	26	24	24	28	25	26	27	25	24	24	24	23	23	22	20	19	17	21	21	22.9	27	18	5
14	22	24	26	27	25	26	27	26	25	25	23	22	21	21	21	21	20	21	21	21	21	21	21	21	22.6	27	18	5
15	21	21	21	21	21	22	21	21	22	23	25	25	25	27	27	27	27	27	27	27	27	27	27	27	22.6	27	18	5
Mean	17.0	17.3	16.9	17.5	17.6	17.3	18.1	18.0	19.4	19.3	19.8	20.4	20.4	20.1	19.9	19.8	19.7	20.2	19.3	18.9	17.9	17.6	16.6	17.0	18.6	24.8	10.7	14.1

TABLE 31.—Temperatures—hourly values, Little America

FEBRUARY 1929

[Fahrenheit degrees, 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
16.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
17.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
18.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
19.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
20.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
21.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
22.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
23.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
24.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
25.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
26.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
27.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
28.....	17	17	14	14	15	15	16	16	15	15	16	17	16	15	13	12	10	8	9	5	7	8	7	4	12.5	18	4	14
Mean.....	-1.3	-1.7	-2.5	-1.4	-0.6	0.9	2.6	3.2	4.2	4.5	5.2	6.5	7.2	6.8	6.2	5.4	4.9	4.2	3.0	2.0	1.5	1.4	-0.5	-1.2	2.5	10.2	-6.3	16.5

MARCH 1929

[Fahrenheit degrees, 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
1.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
2.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
3.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
4.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
5.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
6.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
7.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
8.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
9.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
10.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
11.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
12.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
13.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
14.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
15.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
16.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
17.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
18.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
19.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
20.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
21.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
22.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
23.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
24.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
25.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
26.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
27.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
28.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
29.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
30.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
31.....	6	5	4	5	4	5	6	6	5	5	6	6	9	9	8	8	9	8	6	5	5	4	4	4	5.9	9	4	5
Mean.....	-5.5	-5.1	-4.6	-4.2	-4.0	-3.6	-3.5	-3.4	-3.7	-3.5	-3.3	-3.4	-3.6	-3.5	-4.2	-5.1	-6.1	-6.8	-6.9	-6.7	-7.4	-7.7	-7.3	-7.1	-5.0	4.2	-15.4	10.6

APRIL 1929
[Fahrenheit degrees, 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	-46	-46	-47	-46	-45	-46	-44	-45	-46	-46	-43	-44	-45	-43	-44	-47	-49	-50	-50	-46	-43	-42	-40	-39	-45.1	-39	-50	11
2	-42	-44	-46	-47	-48	-48	-46	-46	-46	-45	-44	-44	-42	-42	-43	-47	-48	-50	-48	-48	-47	-46	-44	-44	-45.9	-39	-50	11
3	-43	-43	-41	-39	-39	-37	-38	-35	-36	-37	-35	-36	-35	-34	-37	-38	-39	-39	-39	-40	-40	-39	-39	-35	-38.0	-39	-44	11
4	-34	-38	-39	-38	-39	-40	-38	-38	-40	-39	-39	-38	-39	-39	-40	-43	-43	-44	-44	-45	-45	-46	-47	-42	-40.8	-33	-47	14
5	-39	-40	-38	-36	-35	-34	-30	-28	-27	-25	-24	-24	-23	-25	-26	-27	-21	-20	-20	-19	-19	-18	-18	-19	-26.2	-18	-42	34
6	-21	-23	-21	-20	-20	-20	-21	-22	-20	-20	-20	-20	-23	-25	-26	-27	-20	-21	-21	-22	-24	-24	-24	-24	-23.7	-19	-31	13
7	-24	-27	-27	-27	-29	-28	-28	-27	-25	-21	-22	-21	-23	-35	-33	-31	-33	-34	-34	-36	-36	-36	-35	-35	-29.8	-21	-36	15
8	-36	-36	-35	-34	-33	-34	-33	-34	-36	-38	-39	-39	-36	-30	-25	-24	-23	-22	-22	-20	-19	-19	-18	-18	-20.3	-18	-39	21
9	-21	-25	-28	-30	-31	-31	-32	-32	-31	-31	-30	-28	-25	-23	-23	-22	-21	-21	-19	-18	-18	-16	-16	-15	-24.6	-15	-32	17
10	-13	-12	-11	-11	-11	-10	-12	-15	-18	-16	-19	-20	-22	-25	-26	-27	-28	-27	-29	-28	-28	-29	-29	-29	-20.6	-10	-29	19
11	-28	-26	-25	-27	-29	-29	-29	-30	-31	-32	-32	-32	-33	-36	-37	-37	-37	-35	-33	-33	-33	-32	-32	-31	-31.6	-25	-37	12
12	-30	-31	-30	-30	-30	-30	-28	-29	-30	-31	-32	-29	-24	-23	-23	-17	-14	-15	-17	-21	-21	-11	-9	-14	-23.6	-9	-32	23
13	-12	-8	-10	-6	-7	-7	-4	-6	-8	-5	-4	-3	-3	2	2	2	2	3	3	4	4	4	4	3	-2.0	4	-14	18
14	3	-1	-2	-2	-4	-5	-5	-5	-5	-6	-5	-5	-5	-6	-7	-7	-8	-8	-8	-7	-7	-7	-7	-8	-5.3	3	-8	11
15	-8	-8	-9	-9	-8	-8	-7	-7	-7	-8	-8	-8	-9	-10	-10	-10	-10	-10	-10	-9	-10	-12	-11	-11	-9.1	-6	-12	6
16	-13	-13	-12	-12	-12	-12	-12	-11	-11	-12	-12	-12	-12	-12	-14	-14	-14	-15	-15	-17	-19	-20	-20	-23	-14.1	-11	-23	12
17	-29	-32	-33	-29	-29	-25	-24	-21	-22	-27	-28	-30	-32	-31	-32	-33	-34	-35	-36	-38	-39	-37	-38	-38	-31.4	-21	-40	19
18	-35	-36	-36	-35	-32	-29	-26	-25	-25	-24	-25	-24	-26	-27	-28	-28	-29	-29	-30	-30	-24	-22	-26	-29	-28.2	-22	-38	16
19	-32	-32	-32	-35	-38	-37	-32	-28	-25	-24	-27	-32	-33	-32	-34	-35	-34	-33	-34	-35	-34	-33	-33	-30	-32.2	-23	-38	15
20	-28	-28	-27	-27	-28	-29	-29	-29	-29	-32	-33	-35	-35	-36	-35	-35	-36	-40	-42	-43	-43	-42	-40	-43	-34.2	-27	-44	17
21	-44	-44	-45	-45	-46	-47	-48	-47	-50	-52	-50	-47	-37	-33	-31	-29	-28	-27	-27	-25	-24	-25	-25	-26	-37.6	-24	-52	26
22	-26	-24	-23	-24	-20	-20	-17	-18	-15	-15	-15	-16	-17	-17	-18	-19	-19	-19	-20	-21	-21	-21	-21	-21	-19.5	-15	-26	11
23	-20	-20	-21	-21	-22	-23	-24	-24	-25	-26	-27	-28	-31	-33	-34	-36	-38	-38	-37	-36	-36	-34	-32	-29	-29.0	-20	-38	18
24	-27	-27	-27	-26	-29	-32	-38	-41	-43	-44	-43	-44	-48	-51	-52	-54	-54	-55	-55	-56	-57	-57	-57	-57	-44.8	-27	-57	30
25	-58	-58	-58	-58	-58	-58	-57	-56	-57	-57	-57	-55	-53	-50	-45	-43	-43	-41	-41	-39	-39	-37	-37	-37	-49.6	-36	-58	22
26	-36	-36	-35	-33	-31	-30	-29	-28	-30	-29	-26	-25	-25	-22	-22	-23	-24	-24	-24	-23	-23	-23	-24	-24	-27.0	-22	-36	14
27	-27	-30	-32	-35	-38	-40	-43	-43	-44	-45	-47	-47	-49	-48	-45	-46	-47	-43	-44	-44	-44	-45	-45	-47	-42.2	-24	-49	25
28	-46	-47	-45	-44	-43	-42	-38	-35	-33	-31	-27	-25	-24	-23	-22	-22	-21	-22	-22	-25	-25	-33	-35	-34	-32.2	-21	-47	26
29	-35	-37	-39	-39	-39	-38	-36	-33	-31	-30	-31	-30	-29	-28	-30	-32	-33	-35	-36	-37	-38	-40	-39	-41	-34.8	-28	-41	13
30	-42	-42	-44	-43	-40	-39	-40	-42	-42	-42	-41	-43	-42	-41	-42	-40	-38	-37	-33	-31	-30	-26	-23	-18	-37.5	-18	-44	26
Mean	-29.7	-30.5	-30.6	-30.4	-30.4	-30.2	-29.6	-29.3	-29.6	-29.7	-29.6	-29.6	-29.7	-29.4	-29.6	-29.4	-29.5	-29.9	-29.9	-29.6	-29.6	-29.1	-28.7	-28.6	-29.7	-29.6	-37.8	17.2

TABLE 31.—Temperatures—hourly values, Little America—Continued

MAY 1929

[Fahrenheit degrees. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	-13	-8	-7	-5	-3	-2	1	2	2	3	2	3	5	5	8	8	9	9	9	9	10	8	10	11	3.2	12	-18	30	
2.....	11	12	11	9	10	8	6	3	3	7	8	8	8	8	8	9	11	11	10	14	15	14	14	12	9.6	15	2	13	
3.....	12	13	11	11	11	10	10	9	9	8	6	5	-2	-6	-9	-11	-11	-16	-21	-23	-26	-28	-29	-30	-4.0	13	-30	43	
4.....	-30	-27	-33	-33	-34	-34	-33	-32	-30	-33	-35	-36	-37	-36	-37	-37	-39	-41	-40	-40	-40	-38	-33	-34	-35.1	-27	-42	15	
5.....	-34	-35	-35	-36	-36	-37	-38	-38	-38	-39	-39	-40	-40	-41	-41	-41	-42	-42	-42	-41	-40	-43	-43	-44	-39.5	-32	-44	12	
6.....	-44	-44	-44	-44	-45	-45	-45	-44	-44	-43	-43	-42	-43	-45	-44	-44	-46	-45	-45	-47	-47	-47	-46	-44	-44.5	-42	-47	8	
7.....	-43	-44	-44	-44	-43	-42	-44	-44	-46	-45	-45	-44	-43	-44	-43	-43	-42	-43	-43	-45	-44	-45	-45	-47	-44.0	-41	-47	6	
8.....	-47	-48	-49	-50	-49	-49	-50	-50	-51	-48	-47	-44	-42	-39	-37	-35	-33	-31	-28	-25	-23	-22	-19	-16	-38.8	-16	-51	35	
9.....	-8	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-5	-5	-4	-4	-5	-21	-22	-24	-27	-33	-34	-29	-14.1	-4	-35	31	
10.....	-25	-20	-17	-15	-13	-16	-17	-15	-14	-16	-17	-18	-17	-13	-11	-11	-12	-11	-8	-6	-7	-5	-3	-1	-12.8	-1	-29	28	
11.....	0	0	0	-3	-2	-3	-2	-1	-2	-4	-5	-4	-4	-5	-7	-6	-5	-4	-5	-6	-5	-6	-6	-7	-3.9	1	-7	8	
12.....	-8	-10	-13	-13	-15	-15	-17	-20	-19	-23	-24	-24	-24	-24	-24	-23	-24	-26	-26	-25	-26	-26	-28	-28	-21.0	-7	-28	21	
13.....	-29	-29	-29	-30	-30	-30	-31	-32	-32	-34	-34	-35	-35	-35	-36	-36	-35	-35	-35	-35	-35	-36	-36	-37	-37	-33.2	-28	-37	9
14.....	-36	-36	-37	-36	-35	-38	-38	-36	-36	-39	-37	-36	-37	-35	-34	-34	-36	-39	-38	-36	-34	-36	-37	-41	-36.5	-32	-41	9	
15.....	-41	-41	-43	-44	-46	-47	-48	-48	-46	-45	-46	-46	-48	-49	-48	-45	-39	-38	-41	-43	-46	-48	-46	-46	-44.9	-38	-49	11	
16.....	-45	-45	-43	-41	-41	-42	-45	-44	-42	-43	-41	-41	-40	-38	-34	-33	-33	-33	-32	-32	-34	-33	-33	-31	-38.3	-31	-46	15	
17.....	-31	-31	-28	-29	-31	-37	-36	-30	-29	-28	-27	-26	-25	-24	-25	-32	-36	-37	-38	-39	-39	-38	-38	-22	-32.2	-40	-40	16	
18.....	-38	-39	-40	-40	-43	-43	-43	-44	-45	-48	-49	-48	-46	-46	-46	-41	-36	-33	-31	-30	-28	-27	-23	-22	-38.7	-22	-49	27	
19.....	-20	-19	-19	-19	-17	-17	-17	-16	-15	-14	-13	-12	-12	-12	-12	-11	-11	-11	-11	-11	-13	-13	-13	-12	-14.2	-11	-22	11	
20.....	-12	-12	-13	-14	-14	-15	-16	-16	-16	-16	-16	-17	-17	-17	-17	-16	-16	-16	-15	-16	-16	-17	-18	-18	-25.1	-12	-35	23	
21.....	-27	-30	-32	-33	-34	-37	-40	-41	-39	-37	-33	-33	-33	-33	-33	-35	-35	-33	-31	-29	-28	-24	-18	-25.4	-15	-42	27		
22.....	-18	-15	-17	-13	-12	-14	-17	-19	-19	-17	-15	-13	-12	-10	-6	-11	-14	-16	-16	-17	-17	-18	-17	-15.2	-6	-19	13		
23.....	-16	-15	-13	-13	-12	-14	-15	-15	-15	-15	-14	-14	-15	-15	-14	-13	-13	-13	-14	-14	-13	-12	-10	-9	-13.6	-9	-17	8	
24.....	-12	-14	-14	-15	-17	-16	-14	-12	-11	-11	-4	-5	-4	-5	-7	-13	-9	-9	-10	-12	-16	-16	-16	-16	-11.6	-2	-17	15	
25.....	-18	-18	-18	-19	-19	-18	-14	-16	-17	-17	-17	-15	-14	-16	-12	-10	-8	-8	-4	-4	-2	-1	-2	-4	-12.0	0	-20	20	
26.....	-4	-4	-2	-2	1	1	3	5	5	5	5	5	4	5	7	10	10	10	10	10	10	10	10	10	-16.0	5	-38	43	
27.....	-39	-39	-41	-41	-41	-43	-43	-43	-45	-45	-45	-41	-38	-34	-31	-23	-26	-26	-31	-32	-34	-36	-37	-38	-16.0	5	-38	43	
28.....	-12	-8	-5	-4	2	2	-3	-3	3	3	1	-2	-4	-3	-2	-1	-3	-6	-3	0	0	1	-2	-3	-2.5	3	-15	18	
29.....	-3	-5	-4	-4	-5	-6	-10	-7	-8	-8	-6	-5	-3	-3	-3	-12	-9	-7	-4	-3	-4	-6	-10	-12	-6.4	-3	-14	11	
30.....	-9	-9	-9	-9	-11	-16	-23	-27	-30	-32	-33	-33	-32	-29	-31	-29	-28	-30	-30	-29	-29	-29	-30	-30	-24.9	-9	-33	24	
31.....	-31	-34	-36	-36	-36	-36	-35	-34	-34	-33	-34	-34	-33	-32	-31	-32	-32	-32	-31	-30	-29	-28	-28	-28	-32.3	-27	-36	9	
Mean.....	-21.6	-21.3	-21.7	-21.4	-21.9	-22.9	-23.2	-23.2	-23.5	-23.8	-23.6	-22.9	-22.9	-22.7	-22.4	-23.1	-22.9	-23.2	-22.9	-22.9	-22.4	-22.9	-23.0	-22.5	-22.6	-22.7	-13.1	-32.0	18.9

JUNE 1929
[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	-33	-33	-34	-33	-30	-30	-28	-26	-25	-25	-25	-24	-25	-28	-30	-29	-23	-22	-23	-24	-24	-23	-24	-24	-26.8	-22	-34	12	
2.....	-23	-23	-22	-22	-21	-21	-22	-22	-24	-26	-26	-26	-26	-26	-27	-27	-28	-28	-29	-29	-31	-32	-35	-39	-40	-21	-40	19	
3.....	-43	-43	-43	-43	-46	-47	-48	-50	-52	-54	-55	-56	-57	-56	-56	-56	-56	-56	-56	-55	-55	-55	-54	-54	-52.0	-40	-57	17	
4.....	-54	-45	-44	-40	-37	-37	-35	-35	-31	-23	-22	-23	-26	-30	-30	-30	-29	-30	-31	-30	-28	-27	-29	-30	-31.2	-19	-55	36	
5.....	-30	-29	-27	-30	-31	-32	-32	-34	-37	-39	-40	-44	-45	-47	-49	-48	-44	-42	-42	-41	-37	-32	-23	-10	-36.2	-10	-49	30	
6.....	-7	-4	0	4	5	6	9	12	13	13	16	13	13	-2	5	-8	-12	-14	-15	-17	-19	-18	-18	-19	-2.6	16	-19	35	
7.....	-20	-21	-21	-22	-23	-22	-22	-25	-26	-26	-26	-23	-23	-20	-18	-18	-9	-4	2	13	11	9	6	2	-11.9	15	-26	41	
8.....	3	3	5	5	5	-1	-4	-6	-8	-10	-13	-14	-13	-9	-12	-10	-4	-9	-11	-11	-10	-9	-10	-9	0.7	5	-15	20	
9.....	8	8	7	8	8	8	8	7	6	6	7	7	6	5	5	5	6	6	5	3	3	5	5	6	0.4	8	-10	18	
10.....	6	6	6	8	8	8	8	7	6	6	7	7	6	5	5	5	6	6	5	3	2	3	5	5	5.8	8	2	6	
11.....	1	0	2	5	8	10	11	10	10	8	9	10	8	10	10	10	9	9	9	9	10	8	7	4	7.7	11	-1	12	
12.....	4	3	1	-1	-2	-2	-3	-2	-5	-9	-10	-10	-10	-11	-13	-14	-15	-17	-19	-19	-20	-20	-20	-20	-9.7	4	-21	25	
13.....	-22	-24	-25	-24	-23	-22	-21	-17	-14	-15	-14	-9	-5	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-4	-11.4	-2	-25	23	
14.....	-4	-5	-5	-5	-5	-5	-5	-4	-5	-5	-5	-5	-3	-3	-3	-3	-3	-4	-5	-5	-5	-5	-5	-5	-4.6	-3	-6	3	
15.....	-5	-5	-5	-5	-7	-8	-9	-8	-8	-8	-8	-9	-10	-10	-13	-16	-22	-26	-29	-32	-33	-35	-37	-38	-16.1	-5	-38	33	
16.....	-39	-39	-40	-40	-41	-42	-43	-42	-43	-43	-43	-42	-40	-40	-39	-37	-35	-32	-30	-28	-28	-16	-16	-10	-35.3	-10	-43	33	
17.....	-8	-4	-5	-4	-3	-2	0	3	2	1	6	3	12	10	10	11	11	10	9	8	7	6	7	5	4.0	12	-10	22	
18.....	5	6	3	3	4	6	1	4	4	5	5	6	5	5	6	7	7	6	9	10	10	11	9	8	6.0	12	1	11	
19.....	11	10	11	11	12	15	15	14	13	13	13	12	11	10	9	9	9	9	9	9	9	8	8	9	10.8	15	8	7	
20.....	8	6	4	2	3	4	3	2	2	1	2	3	5	5	5	5	6	8	9	9	9	9	6	6	5.1	9	1	8	
21.....	7	8	7	6	6	4	4	1	0	-3	-1	1	0	1	1	1	1	0	-1	-2	-7	-10	-12	-13	-0.2	8	-19	21	
22.....	-14	-11	-11	-12	-10	-10	-12	-10	-10	-10	-9	-7	-5	-3	-2	-3	-3	-4	-5	-3	-2	-3	-3	-3	-3	-0.8	-1	-14	13
23.....	-4	-4	-2	-2	-1	-1	-2	-3	-4	-3	-4	-4	-5	-6	-6	-6	-4	-5	-7	-11	-12	-14	-16	-16	-5.9	-1	-16	15	
24.....	-13	-11	-10	-8	-7	-6	-5	-6	-5	-4	-3	-4	-5	-6	-6	-6	-4	-5	-7	-11	-12	-14	-16	-16	-5.9	-1	-16	15	
25.....	2	0	0	-1	0	1	2	7	8	8	9	9	9	0	1	8	6	6	6	8	8	7	7	7	3	-1.8	5	-16	21
26.....	8	1	-6	-7	-6	-7	-13	-16	-6	-8	-3	-2	-5	-5	-5	-5	-5	-10	-10	-8	-8	-12	-15	-15	7	5.5	9	-1	10
27.....	-21	-20	-20	-19	-16	-16	-8	-6	-8	-12	-16	-16	-12	-10	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-7.2	8	-19	27	
28.....	-0	-9	-9	-10	-9	-9	-8	-8	-7	-8	-7	-7	-8	-7	-7	-7	-7	-7	-7	-6	-6	-7	-7	-7	-11.9	-6	-23	17	
29.....	-7	-7	-6	-7	-8	-9	-9	-10	-10	-10	-11	-14	-17	-20	-23	-25	-25	-24	-25	-26	-25	-25	-25	-27	-16.5	-6	-27	21	
30.....	-31	-34	-36	-36	-37	-37	-38	-38	-37	-36	-35	-33	-31	-31	-31	-31	-30	-30	-30	-28	-27	-27	-27	-26	-32.4	-26	-38	12	
Mean....	-11.4	-11.2	-11.3	-11.2	-10.8	-10.5	-10.8	-9.7	-9.9	-10.7	-10.1	-10.1	-10.3	-10.1	-10.8	-10.6	-9.9	-10.3	-10.3	-10.4	-10.7	-10.5	-10.9	-10.9	-10.6	-1.1	-20.5	19.4	

TABLE 31.—Temperatures—hourly values, Little America—Continued

JULY 1929

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	-30	-33	-35	-40	-41	-44	-45	-48	-48	-49	-50	-51	-52	-54	-54	-54	-55	-56	-57	-57	-57	-58	-60	-60	-58	-49.6	-26	-60	34
2.....	-37	-56	-54	-53	-52	-53	-52	-54	-53	-55	-57	-57	-57	-58	-60	-61	-62	-63	-62	-64	-64	-64	-63	-62	-62	-58.0	-51	-64	13
3.....	-62	-64	-63	-62	-62	-60	-58	-52	-46	-43	-49	-46	-47	-48	-55	-55	-57	-58	-58	-56	-55	-55	-56	-57	-55.2	-43	-64	21	
4.....	-59	-59	-60	-60	-59	-61	-61	-60	-58	-58	-58	-58	-55	-54	-51	-56	-57	-58	-58	-58	-57	-55	-58	-55	-57.4	-49	-61	12	
5.....	-54	-57	-59	-61	-57	-57	-57	-58	-59	-59	-56	-57	-55	-54	-36	-20	-17	-14	-13	-10	-9	-9	-8	-9	-30.4	-8	-61	53	
6.....	-10	-13	-20	-23	-27	-29	-32	-35	-38	-40	-42	-44	-45	-46	-47	-48	-47	-46	-46	-45	-45	-45	-47	-50	-37.9	-9	-50	41	
7.....	-52	-53	-53	-49	-45	-38	-26	-24	-27	-30	-29	-38	-39	-41	-43	-43	-48	-48	-47	-47	-47	-45	-46	-45	-41.8	-24	-54	30	
8.....	-44	-44	-49	-52	-54	-55	-57	-59	-60	-61	-62	-63	-64	-65	-66	-68	-70	-70	-70	-70	-70	-69	-66	-65	-65.2	-56	-71	15	
9.....	-59	-60	-56	-63	-62	-62	-62	-64	-66	-66	-65	-64	-65	-66	-66	-66	-67	-66	-65	-66	-66	-66	-65	-62	-60.7	-52	-67	15	
10.....	-62	-57	-54	-55	-60	-59	-59	-58	-60	-60	-62	-64	-64	-64	-65	-67	-67	-66	-65	-66	-66	-66	-65	-62	-60.7	-49	-64	15	
11.....	-51	-51	-53	-51	-51	-53	-51	-50	-57	-63	-63	-64	-64	-64	-65	-67	-67	-66	-65	-66	-66	-66	-65	-62	-60.7	-49	-64	15	
12.....	-52	-51	-50	-50	-50	-49	-47	-47	-46	-46	-46	-47	-49	-49	-49	-49	-49	-49	-49	-49	-49	-49	-48	-48	-61.4	-48	-67	19	
13.....	-64	-64	-64	-65	-64	-65	-67	-66	-66	-66	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-60	-60	-51.2	-46	-62	16	
14.....	-29	-29	-29	-30	-29	-30	-31	-37	-42	-44	-44	-44	-46	-46	-49	-51	-49	-51	-50	-48	-47	-47	-46	-47	-41.7	-28	-51	23	
15.....	-45	-47	-46	-44	-42	-40	-40	-37	-32	-26	-24	-24	-22	-20	-18	-18	-20	-22	-24	-24	-24	-27	-28	-27	-30.0	-17	-43	26	
16.....	-44	-45	-44	-41	-42	-40	-41	-41	-41	-41	-42	-44	-43	-42	-44	-44	-44	-44	-44	-45	-43	-45	-43	-44	-45	-43.0	-40	-46	6
17.....	-46	-44	-46	-48	-45	-46	-45	-46	-47	-48	-50	-51	-51	-52	-52	-53	-55	-56	-56	-56	-56	-53	-55	-54	-50.3	-43	-56	13	
18.....	-56	-52	-49	-48	-48	-49	-48	-44	-37	-34	-29	-27	-26	-25	-25	-23	-23	-24	-26	-26	-32	-36	-35	-34	-37	-36.1	-23	-56	33
19.....	-40	-39	-39	-39	-40	-43	-42	-40	-37	-32	-26	-24	-22	-20	-18	-18	-20	-22	-24	-24	-24	-27	-28	-27	-30.0	-17	-43	26	
20.....	-30	-28	-26	-26	-24	-21	-16	-10	-3	2	1	0	0	1	0	1	-6	-7	-8	-10	-12	-20	-26	-27	-12.3	2	-31	33	
21.....	-31	-31	-34	-35	-37	-38	-39	-38	-38	-38	-40	-39	-37	-32	-29	-28	-29	-29	-29	-30	-30	-32	-33	-36	-38	-34.2	-27	-40	13
22.....	-39	-40	-43	-42	-38	-38	-38	-38	-39	-39	-39	-39	-40	-38	-36	-34	-34	-34	-34	-34	-33	-33	-32	-31	-31	-36.7	-31	-44	13
23.....	-30	-30	-30	-31	-32	-32	-32	-33	-34	-34	-34	-34	-34	-35	-35	-37	-37	-37	-37	-39	-43	-44	-46	-46	-47	-35.4	-30	-47	17
24.....	-48	-46	-48	-51	-52	-53	-53	-54	-54	-54	-54	-55	-56	-56	-57	-59	-59	-59	-59	-55	-44	-38	-30	-27	-24	-49.2	-24	-59	35
25.....	-28	-28	-28	-27	-34	-38	-43	-46	-49	-50	-50	-50	-50	-48	-48	-49	-49	-49	-49	-45	-65	-64	-63	-63	-68	-46.6	-23	-68	45
26.....	-08	-08	-09	-09	-07	-07	-06	-06	-08	-08	-07	-05	-05	-06	-06	-06	-06	-06	-06	-05	-01	-04	-03	-03	-08	-66.0	-63	-69	6
27.....	-61	-61	-60	-59	-58	-57	-57	-54	-53	-53	-52	-52	-56	-60	-66	-66	-63	-63	-61	-61	-62	-63	-63	-64	-60.0	-49	-68	19	
28.....	-65	-65	-67	-68	-68	-68	-69	-69	-70	-71	-71	-72	-72	-71	-72	-72	-72	-72	-72	-72	-71	-72	-71	-71	-70.1	-64	-72	8	
29.....	-68	-67	-68	-68	-68	-68	-69	-69	-70	-71	-71	-72	-72	-71	-72	-72	-72	-72	-72	-72	-71	-72	-71	-71	-70.1	-64	-72	8	
30.....	-20	-16	-14	-10	-7	-7	-6	-8	-8	-7	-7	-7	-22	-30	-34	-35	-36	-37	-38	-38	-36	-36	-34	-29	-22.9	-5	-43	38	
31.....	-19	-18	-15	-15	-15	-17	-16	-15	-13	-11	-11	-10	-8	-8	-7	-4	-1	9	10	10	10	11	10	10	-5.5	11	-29	40	
Mean...	-45.2	-45.7	-46.0	-46.3	-45.9	-46.1	-45.6	-45.0	-44.9	-45.0	-45.1	-46.1	-46.2	-46.0	-46.0	-45.5	-45.9	-45.9	-46.3	-46.2	-46.1	-46.0	-46.2	-46.0	-45.8	-32.8	-56.4	23.6	

AUGUST 1929

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1.....	5	5	9	7	11	11	10	11	11	11	11	11	11	10	10	10	11	13	13	14	15	15	15	12	10.8	15	4	11
2.....	12	12	11	11	9	8	4	3	5	6	8	15	18	20	22	22	23	26	29	33	35	35	37	36	18.7	13	3	10
3.....	0	-4	-7	-7	-7	-8	-9	-12	-12	-16	-15	-16	-18	-20	-22	-22	-23	-26	-29	-33	-35	-35	-37	-36	-18.7	13	-37	50
4.....	-36	-36	-32	-28	-28	-28	-29	-31	-30	-28	-24	-20	-20	-22	-24	-24	-21	-20	-20	-18	-19	-21	-24	-24	-25.3	-18	-37	19
5.....	-24	-24	-24	-24	-24	-24	-23	-21	-19	-17	-12	-8	-14	-14	-14	-12	-12	-11	-13	-14	-16	-18	-17	-17	-17.2	-8	-24	16
6.....	-17	-22	-26	-28	-30	-30	-31	-32	-28	-27	-21	-19	-16	-15	-14	-11	-11	-16	-20	-20	-21	-20	-17	-16	-21.2	-11	-32	21
7.....	-18	-17	-15	-14	-13	-13	-13	-11	-14	-14	-12	-16	-16	-15	-15	-19	-19	-24	-27	-26	-26	-28	-29	-30	-18.5	-11	-30	19
8.....	-31	-31	-31	-31	-32	-33	-35	-36	-36	-30	-40	-41	-39	-41	-43	-44	-45	-46	-46	-44	-44	-45	-47	-46	-40.3	-37	-47	10
9.....	-41	-39	-37	-37	-38	-39	-38	-38	-37	-37	-37	-38	-38	-39	-39	-40	-41	-43	-45	-45	-44	-45	-47	-46	-40.3	-37	-47	10
10.....	-45	-45	-45	-51	-52	-54	-55	-56	-56	-57	-58	-59	-60	-59	-60	-60	-61	-61	-61	-60	-60	-60	-60	-60	-49.7	-37	-60	33
11.....	-21	-16	-16	-15	-14	-12	-10	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-8	-8	-8	-10	-15	-21	-24	-11.1	-6	-27	21
12.....	-28	-28	-28	-27	-26	-23	-22	-23	-23	-24	-27	-33	-36	-41	-42	-45	-46	-47	-48	-48	-48	-49	-47	-47	-35.7	-22	-49	27
13.....	-47	-47	-47	-45	-45	-44	-43	-44	-45	-44	-44	-44	-49	-51	-51	-53	-56	-58	-58	-58	-59	-60	-61	-62	-50.6	-43	-62	19
14.....	-62	-63	-64	-60	-59	-53	-45	-42	-35	-15	-17	-18	-21	-20	-21	-20	-20	-22	-29	-40	-37	-33	-32	-30	-35.7	-15	-64	49
15.....	-29	-30	-32	-33	-27	-21	-23	-25	-33	-34	-33	-33	-34	-36	-39	-40	-38	-35	-35	-32	-34	-33	-31	-28	-31.9	-21	-41	20
16.....	-18	-13	-8	-6	-4	-3	-2	5	6	6	7	3	3	-1	-3	-4	-4	-4	-4	-4	-6	-7	-5	-4	-2.9	7	-28	35
17.....	-5	-5	-6	-6	-5	-5	-7	-8	-7	-7	-5	-4	-3	-7	-8	-15	-17	-18	-15	-5	6	9	12	14	-6.0	14	-17	31
18.....	16	16	15	13	9	5	2	-1	-2	-4	-5	-4	-3	-7	-8	-15	-17	-18	-16	-13	-13	-13	-9	-6	-3.2	16	-18	34
19.....	-1	2	4	7	8	11	17	12	14	14	13	12	10	6	6	3	2	1	-2	-3	-2	-5	-6	-8	4.8	17	-8	25
20.....	-6	-9	-3	-4	-13	-13	-11	-15	-15	-18	-22	-20	-18	-17	-14	-13	-13	-10	-9	-10	-16	-17	-18	-19	-13.5	-1	-22	21
21.....	-21	-22	-18	-24	-22	-16	-18	-20	-21	-23	-24	-25	-25	-26	-26	-26	-26	-22	-20	-19	-18	-18	-23	-24	-21.9	-16	-26	10
22.....	-24	-25	-24	-27	-33	-34	-35	-34	-37	-39	-37	-37	-38	-37	-38	-39	-39	-37	-35	-33	-33	-34	-32	-32	-33.9	-24	-39	15
23.....	-36	-38	-40	-42	-43	-43	-45	-46	-46	-47	-48	-49	-50	-51	-51	-51	-51	-52	-54	-53	-53	-54	-54	-54	-48.0	-32	-55	23
24.....	-52	-50	-55	-53	-54	-51	-51	-53	-50	-49	-48	-50	-51	-53	-54	-56	-56	-56	-57	-56	-55	-55	-53	-51	-52.9	-48	-57	9
25.....	-60	-51	-52	-50	-51	-51	-50	-48	-49	-49	-50	-51	-52	-52	-53	-54	-55	-55	-56	-55	-56	-54	-53	-53	-52.1	-48	-56	8
26.....	-49	-52	-47	-50	-50	-52	-53	-56	-56	-56	-55	-55	-56	-57	-56	-56	-56	-59	-60	-60	-61	-61	-61	-61	-55.7	-47	-61	14
27.....	-61	-61	-60	-60	-60	-60	-60	-60	-59	-58	-57	-57	-57	-57	-57	-56	-56	-56	-55	-56	-57	-56	-56	-56	-55.7	-45	-61	6
28.....	-63	-62	-62	-60	-50	-47	-45	-44	-49	-48	-50	-48	-51	-45	-42	-39	-39	-40	-40	-39	-37	-36	-35	-33	-44.3	-33	-65	22
29.....	-32	-31	-31	-30	-27	-25	-19	-25	-24	-14	-14	-13	-14	-9	-9	-10	-9	-10	-11	-11	-13	-17	-19	-22	-18.3	-9	-33	24
30.....	-22	-24	-25	-27	-27	-28	-27	-27	-27	-28	-30	-31	-31	-32	-30	-32	-34	-35	-38	-37	-38	-39	-38	-38	-31.0	-22	-40	18
31.....	-41	-46	-50	-51	-53	-54	-55	-56	-56	-56	-58	-58	-59	-60	-61	-61	-62	-62	-63	-63	-64	-64	-65	-66	-57.7	-38	-66	28
Mean ..	-27.0	-27.3	-27.0	-27.2	-27.3	-26.7	-26.6	-27.2	-27.0	-26.4	-26.3	-26.6	-27.4	-28.1	-28.4	-29.0	-29.2	-29.5	-29.8	-29.5	-29.6	-29.9	-29.8	-29.5	-28.0	-17.0	-38.4	21.4

TABLE 31.—Temperatures—hourly values, Little America—Continued

SEPTEMBER 1929

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	-65	-66	-66	-66	-66	-66	-65	-63	-61	-62	-61	-63	-62	-64	-63	-63	-63	-64	-64	-65	-65	-65	-65	-66	-63	-64.0	-61	-66	5
2.....	-61	-61	-60	-58	-57	-55	-53	-52	-50	-49	-48	-46	-45	-43	-43	-41	-40	-40	-38	-38	-37	-38	-39	-39	-39	-47.1	-37	-63	26
3.....	-41	-42	-43	-44	-46	-46	-47	-44	-43	-44	-43	-40	-40	-39	-42	-43	-42	-41	-42	-43	-44	-44	-45	-44	-46	-43.1	-38	-48	10
4.....	-46	-48	-50	-50	-51	-51	-52	-52	-53	-53	-53	-53	-53	-52	-53	-53	-53	-52	-52	-48	-45	-46	-48	-51	-50.7	-45	-54	9	
5.....	-62	-49	-44	-42	-40	-37	-36	-35	-34	-33	-29	-32	-30	-26	-22	-11	-17	-17	-19	-20	-25	-29	-31	-31	-31	-30.9	-11	-52	41
6.....	-30	-29	-31	-31	-30	-30	-37	-41	-44	-47	-48	-49	-51	-53	-53	-55	-55	-56	-54	-55	-54	-55	-54	-53	-53	-45.2	-29	-55	26
7.....	-53	-54	-53	-54	-52	-53	-53	-54	-54	-54	-55	-55	-55	-53	-58	-60	-61	-61	-61	-61	-61	-61	-61	-61	-60	-49.7	-36	-62	15
8.....	-42	-44	-41	-39	-39	-38	-42	-40	-37	-36	-42	-46	-49	-54	-58	-60	-61	-61	-61	-60	-58	-59	-56	-54	-53	-59.0	-53	-64	11
9.....	-61	-61	-61	-63	-63	-64	-62	-61	-58	-56	-55	-58	-57	-54	-59	-60	-61	-61	-61	-60	-58	-55	-55	-55	-55	-55.0	-48	-60	12
10.....	-52	-52	-54	-57	-59	-59	-59	-58	-57	-56	-52	-53	-53	-53	-54	-55	-54	-54	-54	-54	-55	-55	-55	-56	-55	-55.0	-63	-68	16
11.....	-55	-55	-54	-53	-54	-57	-59	-59	-56	-58	-59	-60	-63	-65	-65	-66	-65	-65	-66	-67	-68	-66	-66	-67	-67	-61.2	-67	-68	11
12.....	-68	-67	-68	-66	-61	-62	-60	-61	-62	-61	-61	-61	-60	-59	-59	-59	-60	-61	-61	-61	-61	-60	-62	-63	-61	-61.8	-67	-68	11
13.....	-61	-60	-57	-55	-55	-56	-56	-54	-51	-46	-45	-42	-41	-38	-35	-36	-32	-33	-35	-35	-35	-40	-43	-45	-44.7	-32	-61	-79	20
14.....	-48	-49	-48	-49	-51	-51	-52	-52	-52	-51	-49	-51	-48	-47	-46	-45	-44	-44	-43	-42	-42	-42	-42	-41	-41	-42.0	-40	-58	18
15.....	-58	-53	-55	-53	-50	-47	-48	-48	-49	-47	-48	-48	-46	-46	-45	-44	-44	-44	-43	-42	-42	-42	-41	-41	-41	-42.0	-38	-46	8
16.....	-39	-41	-41	-40	-39	-38	-39	-40	-42	-43	-43	-44	-46	-46	-45	-44	-44	-44	-43	-42	-42	-42	-41	-41	-41	-42.0	-38	-46	8
17.....	-40	-40	-42	-43	-43	-43	-41	-38	-36	-35	-34	-35	-34	-34	-35	-32	-31	-30	-30	-34	-31	-24	-24	-26	-27	-11	-43	-32	32
18.....	-8	-7	-8	-8	-3	-2	-3	-5	-5	-6	-5	-5	-10	-14	-17	-19	-20	-21	-22	-23	-24	-24	-24	-26	-27	-13.0	-2	-27	25
19.....	-29	-28	-28	-26	-25	-28	-29	-27	-26	-29	-28	-28	-28	-29	-30	-32	-32	-33	-35	-36	-37	-38	-38	-38	-39	-30.7	-25	-30	14
20.....	-39	-38	-39	-41	-40	-39	-41	-41	-38	-37	-36	-36	-36	-35	-34	-33	-32	-30	-28	-26	-26	-25	-25	-26	-26	-34.2	-25	-42	17
21.....	-25	-25	-24	-22	-22	-21	-21	-22	-22	-21	-21	-21	-21	-21	-21	-20	-19	-16	-16	-18	-19	-20	-20	-21	-21	-20.8	-14	-26	12
22.....	-22	-23	-23	-25	-26	-26	-26	-35	-37	-39	-40	-40	-40	-39	-39	-36	-33	-35	-38	-40	-41	-40	-40	-43	-44	-35.2	-21	-44	23
23.....	-45	-46	-49	-48	-42	-45	-41	-41	-41	-41	-43	-44	-45	-46	-47	-45	-43	-43	-42	-40	-39	-39	-39	-39	-39	-42.4	-26	-50	24
24.....	-24	-24	-29	-30	-32	-34	-33	-29	-25	-30	-32	-31	-31	-32	-36	-38	-36	-36	-35	-35	-37	-40	-43	-44	-44	-33.2	-23	-44	21
25.....	-45	-47	-50	-50	-50	-48	-46	-42	-40	-39	-37	-34	-32	-32	-33	-35	-36	-35	-33	-33	-33	-33	-37	-37	-37	-39.0	-32	-51	19
26.....	-43	-45	-48	-49	-49	-49	-45	-45	-46	-45	-43	-41	-41	-40	-41	-42	-42	-46	-42	-41	-40	-40	-46	-47	-47	-44.5	-37	-49	12
27.....	-47	-48	-50	-50	-50	-50	-45	-45	-45	-44	-44	-43	-41	-41	-41	-42	-46	-48	-50	-52	-54	-55	-55	-57	-57	-47.6	-41	-57	16
28.....	-57	-58	-60	-60	-59	-59	-58	-57	-55	-54	-52	-49	-48	-50	-51	-52	-54	-55	-56	-57	-58	-58	-59	-59	-60	-55.7	-48	-60	12
29.....	-61	-61	-62	-62	-61	-61	-58	-54	-54	-52	-52	-51	-51	-51	-52	-53	-54	-55	-57	-57	-60	-60	-61	-61	-61	-56.7	-50	-62	12
30.....	-62	-62	-63	-62	-59	-56	-50	-47	-45	-41	-36	-33	-33	-33	-33	-33	-33	-33	-33	-33	-33	-33	-33	-33	-33	-32.8	-12	-63	51
Mean..	-46.0	-46.1	-46.7	-46.5	-45.8	-45.7	-45.5	-44.7	-43.8	-43.6	-43.2	-43.0	-42.6	-42.5	-43.1	-43.1	-43.2	-43.4	-43.3	-43.5	-43.9	-44.1	-44.1	-44.3	-44.1	-44.2	-34.4	-53.2	18.8

OCTOBER 1929
[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	-20	-21	-21	-21	-20	-19	-19	-18	-17	-17	-15	-14	-13	-13	-13	-13	-14	-13	-14	-14	-14	-14	-14	-15	-16.1	-13	-21	8	
2.....	-16	-16	-19	-19	-21	-24	-28	-30	-33	-35	-35	-35	-35	-36	-37	-37	-39	-41	-43	-42	-37	-36	-36	-38	-32.0	-15	-43	28	
3.....	-38	-39	-37	-35	-33	-29	-28	-28	-30	-31	-34	-35	-35	-36	-39	-42	-43	-46	-48	-48	-47	-45	-47	-45	-38.7	-28	-48	20	
4.....	-47	-46	-47	-46	-47	-46	-46	-45	-45	-44	-43	-43	-43	-42	-41	-41	-43	-48	-51	-53	-52	-52	-53	-51	-46.9	-40	-56	15	
5.....	-49	-49	-45	-45	-43	-41	-40	-37	-36	-33	-31	-31	-30	-30	-30	-27	-27	-28	-27	-26	-27	-26	-26	-22	-33.7	-20	-51	29	
6.....	-23	-22	-23	-23	-24	-25	-26	-27	-28	-28	-28	-26	-25	-24	-30	-32	-34	-36	-38	-40	-40	-41	-42	-42	-30.2	-22	-42	25	
7.....	-43	-44	-44	-43	-41	-38	-32	-24	-21	-19	-16	-14	-13	-12	-11	-10	-16	-15	-12	-11	-11	-10	-11	-10	-21.7	-9	-44	35	
8.....	-11	-11	-10	-10	-9	-8	-7	-6	-6	-6	-5	-5	-4	-5	-4	-5	-7	-9	-9	-8	-8	-9	-9	-9	-7.5	-4	-12	8	
9.....	-9	-9	-10	-10	-9	-8	-7	-6	-6	-4	-4	-3	-3	-3	-5	-6	-7	-15	-18	-16	-22	-25	-27	-30	-10.9	-3	-30	27	
10.....	-33	-38	-39	-40	-40	-41	-40	-40	-39	-39	-37	-36	-35	-35	-37	-37	-40	-41	-41	-42	-42	-44	-46	-47	-30.5	-30	-47	17	
11.....	-46	-42	-39	-34	-29	-25	-22	-21	-21	-23	-30	-32	-34	-32	-35	-37	-39	-40	-42	-40	-38	-37	-37	-37	-40	-34.0	-21	-47	26
12.....	-43	-45	-45	-45	-44	-43	-42	-38	-32	-27	-25	-21	-19	-13	-14	-14	-18	-23	-27	-34	-34	-34	-37	-38	-31.5	-13	-45	32	
13.....	-40	-42	-45	-45	-45	-43	-37	-31	-28	-27	-27	-25	-27	-27	-29	-29	-31	-32	-36	-36	-38	-40	-43	-44	-35.1	-23	-45	22	
14.....	-46	-43	-46	-46	-43	-43	-40	-35	-33	-30	-29	-27	-26	-26	-23	-24	-22	-20	-17	-9	-8	-9	-8	-7	-27.5	-7	-47	40	
15.....	-10	-10	-10	-10	-10	-10	-10	-11	-11	-10	-10	-13	-12	-14	-14	-15	-18	-20	-22	-20	-22	-24	-26	-28	-15.0	-7	-29	22	
16.....	-29	-28	-29	-27	-26	-27	-25	-23	-21	-22	-20	-21	-19	-19	-20	-22	-22	-24	-26	-26	-24	-22	-19	-15	-23.2	-15	-32	17	
17.....	-14	-13	-11	-10	-9	-7	-6	-4	-3	-2	-1	-1	1	1	2	3	3	1	2	2	3	4	1	-8	-2.7	4	-15	19	
18.....	-11	-14	2	1	0	-1	0	2	1	2	-8	-10	-9	-8	-8	-7	-7	-6	-6	-6	-6	-5	-6	-6	-4.9	2	-14	16	
19.....	-5	-5	-3	-2	-2	-1	0	0	2	2	3	4	5	5	5	5	5	4	4	3	3	3	2	3	1.7	6	-6	11	
20.....	3	2	3	3	4	4	5	7	6	7	7	6	7	7	7	6	6	6	6	4	3	1	0	-1	4.1	7	-4	11	
21.....	-4	-4	-3	-1	3	4	4	1	8	9	9	10	8	7	6	4	1	-5	-12	-16	-18	-18	-23	-25	-2.7	10	-25	35	
22.....	-24	-24	-24	-21	-17	-8	-4	-4	-7	-8	-8	-9	-8	-8	-8	-8	-9	-11	-14	-17	-18	-19	-20	-24	-13.4	-3	-25	22	
23.....	-25	-28	-28	-19	-15	-13	-13	-11	-8	-7	-7	-6	-6	-5	-5	-5	-5	-8	-10	-12	-15	-17	-17	-18	-12.6	-5	-29	24	
24.....	-19	-18	-18	-16	-16	-16	-16	-16	-16	-16	-14	-13	-12	-11	-9	-9	-9	-9	-9	-10	-13	-12	-13	-13	-13.4	-8	-20	12	
25.....	-17	-19	-19	-18	-14	-15	-14	-16	-17	-17	-15	-13	-10	-13	-12	-13	-16	-17	-19	-19	-23	-26	-27	-28	-17.4	-10	-28	18	
26.....	-20	-25	-25	-25	-25	-24	-22	-24	-23	-20	-18	-17	-15	-15	-15	-15	-14	-17	-19	-20	-22	-23	-24	-23	-21.1	-14	-29	15	
27.....	-23	-21	-19	-18	-16	-16	-16	-14	-12	-11	-10	-10	-10	-10	-10	-10	-8	-7	-7	-7	-7	-6	-7	-9	-11.8	-6	-23	17	
28.....	-11	-12	-14	-14	-12	-10	-7	-5	-2	-1	-1	0	-4	-6	-5	-9	-9	-10	-11	-8	-10	-15	-15	-13	-8.5	1	-16	16	
29.....	-14	-13	-16	-15	-12	-11	-9	-10	-9	-8	-6	-5	-7	-2	-2	-6	-8	-7	-9	-11	-11	-17	-16	-12	-9.9	-2	-19	17	
30.....	-9	-7	-6	-6	-2	-1	-1	1	0	3	3	5	1	1	1	0	1	1	1	2	4	8	7	2	0.4	8	-12	20	
31.....	2	3	3	3	4	5	6	8	9	9	9	9	11	11	12	13	9	7	7	7	9	8	5	6	7.3	13	2	11	
Mean...	-22.7	-22.8	-22.2	-21.3	-19.9	-18.7	-17.6	-16.3	-15.4	-14.6	-14.4	-13.9	-13.6	-13.4	-13.7	-14.3	-15.7	-17.2	-18.5	-18.5	-19.2	-19.6	-20.3	-21.2	-17.7	-8.6	-20.2	20.6	

TABLE 31.—Temperatures—hourly values, Little America—Continued

NOVEMBER 1929

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day	6	6	5	6	7	7	7	9	8	8	8	9	10	8	6	6	6	4	4	-1	-4	-5	-5	-4	4.7	11	-5	16	
1	-4	-3	-3	-2	0	0	-1	0	-1	0	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0.2	2	-5	7
2	1	1	1	1	2	1	2	3	3	3	4	4	5	3	3	3	3	2	1	0	2	1	0	0	1.8	5	-1	6	
3	1	3	7	8	7	8	7	9	10	11	10	10	8	6	4	4	4	2	2	2	1	0	-3	-5	4.8	12	-5	17	
4	-3	-3	-3	-1	-1	-1	-1	-1	0	1	1	1	1	1	1	1	0	0	-3	-7	-5	-7	-4	-3	1.5	2	-7	9	
5	-4	-4	-4	-5	-7	-8	-4	-2	-2	0	1	0	0	1	1	1	1	0	-1	-2	-3	-5	-7	-7	-2.7	1	-8	9	
6	-8	-7	-7	-7	-6	-5	-6	-4	5	6	6	5	5	1	0	0	4	4	4	3	2	1	0	-1	-0.7	7	-8	15	
7	0	-1	0	3	4	3	3	5	8	7	9	9	9	2	2	4	1	1	0	-1	-3	-3	-3	-5	1.3	6	-5	11	
8	-2	-2	0	0	2	1	3	5	8	7	9	9	9	1	5	6	4	1	-3	2	-3	-3	-4	-6	1.9	11	-6	17	
9	-6	-5	-6	-6	-5	-5	-4	-3	-2	-1	0	0	1	2	3	3	3	-1	-4	-6	-8	-12	-16	-17	-4.3	4	-17	21	
10	-8	-6	-5	-5	-5	-5	-4	-3	-4	-3	-2	1	1	1	1	0	-1	-3	-6	-8	-10	-16	-16	-18	-7.0	6	-17	23	
11	-13	-13	-13	-14	-12	-9	-4	-3	-4	-3	-2	1	1	1	0	-1	-3	-2	-2	-3	-3	-3	-4	-5	-5.0	0	-18	18	
12	-14	-14	-16	-14	-10	-9	-4	-2	-1	-1	-1	0	-1	-2	-3	-3	-2	-2	-3	-3	-3	-3	-4	-5	-5.0	0	-18	18	
13	-6	-9	-8	-10	-8	-6	2	0	1	1	-4	-3	-2	-2	-1	1	1	7	-9	-12	-16	-17	-18	-19	-6.9	3	-19	22	
14	-17	-14	-13	-11	-10	-8	-6	-4	-1	2	3	3	3	5	5	4	3	5	2	2	0	-3	-8	-10	-2.8	6	-19	25	
15	-7	-4	-3	-1	-2	0	0	0	1	2	3	5	5	7	4	3	4	1	-4	-3	-6	-9	-9	-8	-9.9	7	-10	17	
16	-10	-11	-7	-7	-4	-1	0	3	6	8	10	11	11	10	10	9	8	7	6	7	7	7	5	5	3.7	12	-11	23	
17	3	4	6	7	6	1	3	5	8	10	11	12	11	9	9	7	7	5	2	-1	-2	-3	-6	-6	4.1	12	-6	18	
18	-7	-10	-7	-4	-4	-4	-2	0	1	4	6	9	7	5	3	3	2	1	-2	-2	-2	-6	-9	-12	-1.2	9	-12	21	
19	-13	-14	-11	-11	-10	-6	-6	-5	-5	-2	1	1	4	8	0	-1	-2	-2	-1	-2	-5	-7	-8	-11	-4.5	8	-14	22	
20	-11	-10	-9	-9	-9	-8	-7	-5	-3	-2	-2	1	3	10	5	9	5	3	2	-5	1	1	2	3	-1.5	10	-11	21	
21	3	4	2	1	-2	-5	-7	-8	-8	-7	-4	-3	-1	-1	0	0	-2	-2	-1	-2	-2	-2	-2	-3	-2.1	4	-8	12	
22	-3	-4	-5	-6	-4	-2	3	3	6	9	7	7	10	11	11	12	11	12	11	8	6	7	8	5.4	12	-6	18		
23	7	4	4	4	5	6	8	7	9	10	11	14	17	19	18	17	16	9	5	2	-3	-7	-7	-2	7.2	19	-7	26	
24	-1	1	2	3	5	4	5	6	8	10	12	11	11	11	12	11	11	11	11	11	9	7	6	8	7.7	13	-2	15	
25	8	9	10	13	16	15	15	16	17	17	19	22	23	20	13	9	9	9	8	7	7	5	5	5	12.4	23	4	19	
26	5	4	4	4	5	4	5	6	6	7	7	6	7	7	6	6	5	5	4	5	3	-1	-2	-4	4.3	7	-4	11	
27	-5	-5	-3	-1	0	2	2	4	3	3	3	3	3	3	2	3	4	5	6	5	3	3	3	3	2.2	6	-6	12	
28	3	3	3	3	4	5	7	9	11	12	13	14	14	14	12	12	10	9	9	9	9	6	4	4	1	7.9	15	0	15
29	1	2	5	7	7	9	9	13	16	13	15	16	14	15	18	15	16	15	14	14	12	10	9	5	11.2	18	0	18	
30	6	6	7	7	8	9	10	11	11	14	14	15	16	16	16	17	14	13	11	11	8	7	7	7	10.9	18	5	13	
Mean..	-3.1	-2.9	-2.1	-1.4	-0.5	-0.1	1.3	2.5	3.9	4.7	5.6	6.3	6.5	6.5	5.6	5.4	4.2	3.0	2.0	1.1	-0.4	-2.0	-2.7	-3.3	1.7	9.0	-7.6	16.6	

DECEMBER 1929
[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day	4	4	5	5	6	8	6	7	10	10	11	12	13	15	15	12	10	13	13	13	10	7	5	3	9.0	17	2	15
1.....	2	0	3	2	2	1	3	5	6	7	8	10	12	12	13	15	14	11	10	9	7	4	2	1	6.6	15	-1	16
2.....	3	0	2	3	2	0	1	2	2	4	6	7	9	10	10	11	10	9	10	10	10	10	9	9	6.2	11	-1	12
3.....	4	14	14	15	14	15	16	18	18	19	19	22	24	26	25	24	22	21	20	19	16	15	12	11	18.0	27	9	18
4.....	5	10	10	10	13	13	12	15	15	16	18	18	20	20	19	18	19	20	21	20	19	16	14	14	15.9	22	10	12
5.....	6	12	14	16	13	15	15	15	16	17	18	20	21	22	22	25	25	24	22	18	12	12	12	10	17.0	26	11	15
6.....	7	9	7	12	10	9	12	12	13	13	15	16	17	18	18	18	17	20	18	17	11	12	8	8	13.4	22	6	16
7.....	8	4	6	7	8	9	10	12	14	13	14	16	17	18	19	20	24	14	11	7	6	4	4	3	11.8	25	2	23
8.....	9	4	4	4	6	6	10	14	14	14	17	15	16	17	16	16	17	15	13	11	8	7	5	5	10.7	17	3	14
9.....	10	6	5	6	8	11	12	13	14	15	15	15	15	16	15	15	16	16	15	16	15	15	13	15	13.0	16	3	13
10.....	11	16	15	15	16	17	17	16	18	17	19	18	17	18	17	17	17	17	17	15	16	14	13	12	16.2	19	11	8
11.....	12	9	8	9	12	14	17	18	17	19	20	23	25	28	25	26	28	25	23	23	22	23	22	22	19.8	29	8	21
12.....	13	22	20	20	18	20	20	21	22	21	22	21	21	20	20	20	20	21	21	21	22	18	16	15	20.0	23	15	8
13.....	14	14	15	13	14	13	16	18	16	15	16	16	15	14	12	12	11	11	11	11	13	9	7	5	13.0	20	5	15
14.....	15	15	16	16	16	16	14	17	18	18	18	19	19	20	22	22	21	22	22	23	20	18	16	16	17.6	24	6	18
15.....	16	15	16	16	16	18	19	19	18	20	20	20	20	23	23	23	23	23	21	20	20	19	18	15	19.2	24	15	9
16.....	17	15	14	15	16	18	19	19	21	24	26	27	22	19	18	18	17	17	17	17	17	17	17	17	18.4	27	14	13
17.....	18	18	17	18	18	20	21	25	25	26	28	30	30	28	28	27	27	26	26	25	24	22	20	24	25.2	30	19	9
18.....	19	23	24	25	24	25	25	25	26	26	28	30	30	30	28	28	27	26	25	24	24	22	20	24	25.2	30	19	11
19.....	20	20	23	23	23	24	24	24	24	27	29	29	29	30	26	26	26	26	25	24	23	23	23	21	24.5	30	19	11
20.....	21	21	21	21	23	24	27	27	25	29	29	32	31	31	31	30	29	28	29	28	27	27	26	25	26.7	32	21	11
21.....	22	24	25	26	27	27	27	27	27	28	28	30	29	30	30	28	27	27	27	27	27	27	27	27	27.1	30	24	6
22.....	23	27	27	27	28	28	29	30	29	29	29	30	29	30	29	30	30	30	29	29	28	28	29	29	28.7	30	26	4
23.....	24	29	28	28	28	29	31	30	30	30	31	31	31	31	31	31	31	30	28	28	28	27	27	27	29.2	31	27	4
24.....	25	27	27	27	28	28	29	30	30	30	31	31	31	31	31	32	30	29	28	28	28	27	27	27	29.2	31	27	4
25.....	26	28	27	27	28	28	29	30	30	30	31	31	31	31	31	32	30	29	28	28	28	27	27	27	29.2	31	27	4
26.....	27	28	27	27	28	28	29	30	30	30	31	31	31	31	31	32	30	29	28	28	28	27	27	27	29.2	31	27	4
27.....	28	28	27	27	28	28	29	30	30	30	31	31	31	31	31	32	30	29	28	28	28	27	27	27	29.2	31	27	4
28.....	29	29	28	28	28	29	30	30	30	30	31	31	31	31	31	32	30	29	28	28	28	27	27	27	29.2	31	27	4
29.....	30	30	29	29	29	29	30	30	30	30	31	31	31	31	31	32	30	29	28	28	28	27	27	27	29.2	31	27	4
30.....	31	31	30	30	30	30	31	31	31	31	31	31	31	31	31	32	30	29	28	28	28	27	27	27	29.2	31	27	4
31.....	14	15	16	17	15	17	18	21	23	24	24	24	24	24	22	23	23	21	20	22	22	20	20	17	20.2	25	13	12
Mean	14.9	15.0	15.7	16.1	16.7	17.7	18.7	19.8	20.2	20.9	21.6	22.4	22.7	23.1	22.5	22.5	22.3	21.8	20.8	19.9	18.3	17.3	16.4	15.6	19.3	25.5	12.4	13.1

TABLE 31.—Temperatures—hourly values, Little America—Continued

JANUARY 1930

[Fahrenheit degrees, 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
<i>Day</i>																													
1.....	17	18	18	21	21	26	24	24	25	25	25	25	26	28	27	26	27	29	29	32	24	23	22	23	24.4	32	16	16	
2.....	22	18	20	21	22	23	26	27	28	28	29	29	29	30	30	29	30	30	30	30	30	29	26	25	26.6	31	16	15	
3.....	20	15	14	16	18	20	21	23	25	27	28	30	31	30	30	30	28	28	28	28	27	27	25	24	24.6	31	14	17	
4.....	25	24	24	23	24	25	26	26	27	27	27	27	27	28	27	26	26	26	26	25	25	24	22	22	25.4	28	22	6	
5.....	22	22	24	24	24	24	24	24	24	23	23	24	24	25	25	25	25	24	24	24	23	23	23	24	23.7	25	22	3	
6.....	24	24	23	23	24	26	27	28	28	28	28	28	28	28	28	28	28	28	27	28	26	25	24	24	26.5	28	23	5	
7.....	23	24	25	25	26	26	27	27	27	26	27	28	29	30	31	32	31	31	31	30	31	31	31	31	28.3	32	23	9	
8.....	29	29	29	30	30	31	32	30	31	31	32	33	33	33	33	32	32	32	32	31	31	31	31	31	31.2	33	23	4	
9.....	29	29	30	30	31	31	31	32	31	31	30	30	30	30	30	29	29	29	29	28	27	27	28	28	29.9	31	28	3	
10.....	27	26	27	28	28	29	29	29	29	30	30	30	30	30	30	29	29	29	27	27	26	26	26	26	28.6	31	26	5	
11.....	28	28	29	29	29	29	29	29	29	30	30	30	30	31	30	29	29	28	27	27	26	26	26	25	28.5	31	25	6	
12.....	24	25	25	25	25	26	26	27	27	27	27	28	28	28	28	27	27	27	27	26	25	25	26	26	27.9	33	24	9	
13.....	27	23	22	23	24	25	27	27	27	27	28	28	28	28	28	27	27	27	27	24	24	24	24	23	22.8	25	16	9	
14.....	19	16	18	20	21	21	22	23	23	24	25	25	25	25	25	24	24	24	24	24	24	24	24	23	22.8	25	16	9	
15.....	22	21	22	22	22	22	22	23	24	24	25	26	26	26	25	25	25	25	25	25	24	26	21	19	23.4	26	17	7	
16.....	18	20	21	21	21	20	21	21	21	20	21	20	23	23	23	23	23	24	23	22	22	22	22	21	18	23.4	26	17	
17.....	20	19	20	21	22	21	22	23	24	24	24	24	24	24	23	23	21	21	20	19	16	19	19	20	21.4	24	16	8	
18.....	17	18	19	22	23	21	21	22	23	23	18	17	16	16	15	14	14	14	13	19	18	17	14	13	15	18.7	21	13	8
19.....	9	9	10	12	13	14	14	14	15	15	16	17	18	19	19	17	17	17	16	15	14	14	13	13	11	16.6	23	11	12
20.....	12	13	11	13	15	16	14	15	16	17	17	17	17	18	19	16	15	14	13	15	14	10	9	9	13.9	20	9	11	
21.....	11	10	12	13	14	16	17	18	19	19	19	20	21	21	22	21	21	20	19	17	16	17	15	12	10	14.0	19	8	11
22.....	11	9	9	12	13	14	13	13	13	14	14	15	15	15	14	13	12	11	10	11	9	8	6	6	16.6	22	10	12	
23.....	9	9	10	10	11	11	12	12	12	13	13	13	12	12	12	12	10	9	9	11	9	5	3	3	11.2	15	5	10	
24.....	3	1	4	5	8	8	10	10	10	6	7	7	9	8	9	8	7	6	5	4	2	0	0	0	9.9	13	1	12	
25.....	3	1	4	5	8	8	10	10	10	6	7	7	9	8	9	8	7	6	5	4	2	0	0	0	5.5	13	-5	18	
26.....	6	5	4	3	0	2	5	9	9	9	10	10	11	11	11	9	9	10	11	11	7	4	2	-1	5.5	13	-5	18	
27.....	4	5	6	6	5	1	0	0	1	3	5	7	10	11	11	11	11	9	10	11	7	4	2	-1	5.0	12	-6	18	
28.....	7	8	8	11	13	15	14	14	14	15	15	15	16	16	16	16	16	17	16	17	16	16	15	14	3.5	14	-6	20	
29.....	14	13	13	15	15	14	12	14	14	15	16	18	20	17	16	15	14	11	8	8	6	6	5	4	14.2	17	8	9	
30.....	3	2	2	3	4	4	3	2	0	0	3	5	8	10	10	11	10	10	10	8	7	2	1	2	12.6	20	4	16	
31.....	0	7	12	6	9	7	8	12	9	7	9	13	15	14	16	16	16	18	19	19	18	18	18	17	12.6	19	-3	22	
Mean.....	16.2	15.8	16.3	17.1	18.0	18.6	19.1	19.9	20.1	20.3	20.8	21.4	22.0	22.1	21.9	21.4	21.1	20.9	20.2	20.1	18.7	17.6	16.8	16.3	19.3	23.7	12.8	10.9	

FEBRUARY 1933

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day	15	14	8	6	7	7	7	8	8	9	9	10	10	8	7	6	5	5	4	2	2	1	1	1	6.7	18	1	17
1.....	15	14	8	6	7	7	7	8	8	9	9	10	10	8	7	6	5	5	4	2	2	1	1	1	6.7	18	1	17
2.....	0	1	3	4	6	7	5	4	5	3	3	4	6	7	8	8	9	8	7	9	9	8	7	7	5.8	9	0	9
3.....	4	7	5	5	6	8	11	11	12	12	16	16	16	16	14	8	9	8	8	7	9	12	13	14	10.3	16	3	13
4.....	17	16	14	12	12	12	13	14	14	16	17	14	15	20	8	9	10	12	11	10	10	11	11	10	12.8	20	7	13
5.....	12	11	12	9	9	9	12	12	12	14	15	17	16	18	18	18	16	17	13	12	11	9	7	8	12.8	18	6	12
6.....	7	7	6	7	8	9	9	9	10	13	13	11	11	10	13	10	6	7	7	3	2	2	2	2	6.5	16	-11	27
7.....	-14	-11	-9	-6	-3	-2	-1	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	0.6	2	-14	16
8.....	1	1	2	1	1	3	1	4	6	8	12	13	14	12	10	10	7	8	7	6	3	2	-3	-2	5.3	14	-3	17
9.....	-2	-1	-3	-2	3	4	9	11	12	13	14	15	14	10	10	7	7	9	9	9	3	2	-3	-2	5.3	14	-3	17

FEBRUARY 1934

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day	-7	-8	-8	-5	0	0	4	8	5	6	7	11	9	9	14	12	13	11	7	2	-3	-3	-6	-5	4.0	15	-8	23
10.....	-7	-8	-8	-5	0	0	4	8	5	6	7	11	9	9	14	12	13	11	7	2	-3	-3	-6	-5	4.0	15	-8	23
11.....	1	0	-2	-1	2	3	5	4	7	6	8	9	11	11	11	8	5	4	5	5	4	2	2	2	-3	11	-3	14
12.....	6	3	2	2	6	10	11	13	12	12	12	12	11	11	10	10	10	9	8	5	4	2	1	0	7.6	13	0	13
13.....	-4	-4	-6	-8	-8	-7	-3	0	2	5	8	9	9	10	13	13	12	12	12	12	12	10	8	8	4.8	13	-8	21
14.....	8	9	10	9	11	12	11	11	12	12	12	13	14	15	15	16	14	11	9	8	7	6	6	6	10.7	17	6	11
15.....	4	2	0	-1	-2	1	4	6	6	7	7	7	8	9	9	7	4	-2	-5	-7	-10	-13	-14	-17	0.2	9	-17	26
16.....	-17	-17	-13	-10	-8	-9	-9	-9	-8	-7	-6	-4	-2	-2	-3	-3	-4	-6	-7	-9	-11	-14	-15	-18	-8.8	-2	-18	16
17.....	-18	-20	-18	-15	-13	-9	-7	-1	0	1	2	3	4	4	4	3	2	0	0	1	1	1	2	3	-2.9	4	-20	24
18.....	3	1	3	4	5	7	8	9	8	7	7	7	7	6	5	3	2	1	-1	-1	0	-2	-4	-6	3.3	9	-6	15
19.....	-6	-7	-8	-6	-5	-3	-2	-1	1	1	0	2	2	3	2	2	3	5	8	9	9	10	11	11	1.7	12	-8	20
20.....	10	10	10	10	9	10	10	10	11	10	10	10	11	11	11	11	11	10	7	7	6	4	4	1	8.9	11	1	10
21.....	2	1	1	2	4	4	5	8	9	9	9	10	11	10	10	10	9	8	7	6	6	6	4	3	-2.6	4	-18	22
22.....	2	1	4	1	-2	-2	-3	0	-2	-1	-3	0	-3	-2	-3	-6	-7	-8	-11	-14	-17	-19	-21	-24	-11.7	0	-24	24
23.....	-20	-19	-20	-17	-15	-14	-10	-11	-10	-6	-3	-3	-4	-14	-14	-15	-16	-16	-17	-19	-21	-24	-25	-26	-19.3	-14	-26	12
24.....	-25	-24	-24	-24	-21	-21	-20	-19	-18	-16	-16	-14	-14	-14	-12	-11	-11	-11	-11	-11	-11	-13	-16	-17	-18.2	-11	-28	17
25.....	-27	-28	-27	-26	-24	-24	-25	-24	-22	-22	-19	-17	-14	-13	-12	-11	-11	-11	-11	-11	-11	-13	-16	-17	-18.2	-11	-28	17
26.....	-18	-16	-12	-12	-12	-11	-10	-8	-7	-6	-6	-6	-7	-7	-6	-6	-6	-6	-6	-6	-7	-8	-1	1	-4.5	2	-18	20
27.....	-1	0	1	2	2	3	4	5	5	5	6	6	7	7	6	6	6	6	6	7	7	8	7	6	4.9	8	-1	9
28.....	5	5	2	1	2	3	2	6	6	7	6	9	6	3	2	1	1	0	0	-3	-4	1	1	0	2.6	9	-4	13
Mean.	-5.4	-5.8	-5.5	-4.9	-3.6	-2.5	-1.3	0.4	0.9	1.5	2.4	3.8	4.1	4.3	4.4	3.6	2.9	1.7	0.7	-0.2	-1.4	-2.4	-3.3	-4.4	-0.4	6.4	-10.5	16.8

TABLE 31.—*Temperatures—hourly values, Little America—Continued*

MARCH 1934

[Fahrenheit degrees, 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1	-4	-8	-3	-3	-2	3	-5	-3	-2	-2	0	0	-1	-1	-2	-1	-6	-9	-3	-4	-5	-8	-15	-17	-4.2	3	-15	18	
2	-18	-20	-15	-15	-8	-5	-4	-5	-4	-3	-2	-2	-2	-4	-5	-4	-2	-1	1	6	6	6	8	11	-3.4	11	-20	31	
3	13	14	14	13	14	15	16	17	18	16	14	15	16	14	11	9	7	3	-1	-3	-4	-5	-5	-4	9.0	18	-5	23	
4	-8	-11	-14	-16	-17	-18	-15	-11	-11	-8	-4	-1	3	20	20	21	21	22	22	22	22	23	23	23	4.5	23	-18	41	
5	23	23	24	24	25	24	24	24	25	25	25	25	24	24	24	22	20	15	15	15	12	10	8	9	20.1	25	8	17	
6	30	28	27	26	28	28	28	28	27	28	28	28	28	28	28	2	0	2	-4	-6	-6	-9	-19	-25	20.1	14	-29	43	
7	15	15	16	16	17	18	20	20	20	21	21	20	21	22	22	6	16	18	18	18	18	18	17	16	-5.7	18	-30	48	
8	8	5	5	5	2	0	-3	-4	-5	-5	-6	-6	-6	-6	-6	-7	7	-7	-6	-6	-6	-5	-5	-5	-3.7	8	-7	15	
9	7	-6	-5	-5	-4	-2	-1	2	1	2	5	5	6	6	4	2	1	0	-2	-7	-9	-10	-8	-6	-3.9	6	-16	22	
10	-7	-9	-13	-16	-13	-12	-7	0	1	2	5	5	6	6	4	2	1	0	-2	-7	-9	-10	-8	-6	-3.9	6	-16	22	
11	-7	-6	-5	-5	-4	-2	-1	2	1	2	4	8	9	9	6	6	4	6	6	7	8	8	9	10	2.8	10	-7	17	
12	9	11	11	13	14	14	12	12	11	11	10	9	9	9	8	6	6	5	5	4	2	0	-1	-2	7.7	14	-2	16	
13	-3	-5	-5	-6	-8	-8	-9	-9	-12	-13	-13	-12	-10	-9	-10	-10	-11	-12	-11	-11	-10	-10	-10	-9	-16.2	-9	-30	21	
14	-25	-26	-29	-30	-29	-28	-25	-22	-18	-13	-13	-12	-4	-4	-4	-3	-2	-11	-16	-22	-23	-24	-24	-19	-16.2	-9	-30	21	
15	-9	-7	-7	-6	-6	-8	-8	-8	-8	-7	-4	-3	-4	-4	-4	-3	-2	-11	-16	-19	-19	-18	-22	-26	-15.8	-11	-26	15	
16	-15	-14	-13	-12	-12	-11	-12	-14	-14	-14	-13	-14	-15	-16	-18	-18	-16	-16	-19	-19	-18	-18	-22	-26	-15.8	-11	-26	15	
17	-28	-30	-32	-31	-30	-32	-28	-26	-26	-29	-27	-21	-19	-19	-19	-22	-25	-27	-24	-24	-24	-20	-18	-19	-24.9	-18	-32	14	
18	-20	-18	-18	-16	-15	-14	-15	-15	-13	-11	-10	-12	-14	-15	-14	-13	-13	-14	-14	-14	-15	-15	-15	-15	-14.5	-10	-20	10	
19	-15	-16	-19	-21	-22	-20	-17	-15	-13	-13	-13	-13	-11	-11	-11	-12	-11	-11	-10	-9	-7	-8	-9	-10	-13.2	-7	-22	15	
20	-10	-9	-9	-9	-8	-5	-3	-2	0	0	-1	-2	-6	-9	-10	-14	-16	-15	-15	-25	-27	-30	-32	-34	-12.3	0	-34	34	
21	-37	-39	-40	-41	-41	-42	-41	-38	-37	-31	-26	-24	-22	-23	-26	-28	-26	-25	-31	-33	-34	-36	-37	-37	-37	-33.1	-20	-42	22
22	-38	-38	-39	-40	-42	-42	-42	-42	-40	-39	-37	-35	-37	-37	-37	-33	-33	-39	-42	-43	-44	-45	-47	-48	-48	-40.4	-37	-48	11
23	-50	-50	-50	-51	-51	-51	-49	-47	-49	-47	-42	-38	-34	-32	-31	-31	-22	-25	-27	-30	-33	-34	-35	-34	-34	-39.0	-24	-51	27
24	-23	-22	-19	-19	-16	-13	2	4	9	-9	-8	-7	-5	-7	-7	-7	-11	-20	-21	-29	-31	-34	-35	-36	-36	-36	44	44	
25	-34	-35	-36	-37	-38	-38	-39	-40	-40	-39	-39	-39	-37	-35	-34	-33	-33	-45	-47	-50	-51	-51	-51	-52	-43.1	-36	-52	16	
26	-24	-23	-22	-21	-19	-18	-17	-16	-12	-8	3	4	4	4	4	4	-7	-11	-20	-21	-29	-31	-34	-35	-36	-36	-36	44	44
27	-37	-37	-38	-39	-39	-40	-40	-40	-39	-39	-40	-41	-41	-41	-41	-41	-45	-47	-49	-50	-51	-51	-51	-52	-43.1	-36	-52	16	
28	-52	-53	-53	-55	-55	-55	-52	-50	-50	-49	-48	-45	-43	-41	-40	-40	-39	-41	-41	-41	-40	-41	-41	-40	-35	-45.8	-35	-55	20
29	-34	-34	-37	-36	-37	-36	-35	-33	-34	-34	-34	-34	-34	-36	-41	-41	-45	-45	-45	-45	-45	-46	-43	-42	-38.8	-32	-46	14	
30	-39	-20	-19	-20	-18	-21	-18	-20	-20	-22	-21	-20	-19	-18	-15	-13	-12	-11	-16	-16	-22	-23	-24	-25	-25	-20.0	-10	-42	32
31	-28	-30	-33	-35	-36	-36	-36	-36	-34	-33	-32	-29	-29	-29	-29	-26	-27	-28	-28	-28	-27	-22	-22	-21	-21	-25.9	-21	-37	16
Mean	-16.7	-16.6	-16.8	-17.2	-16.7	-16.2	-15.1	-14.2	-14.0	-12.9	-11.2	-10.3	-10.0	-9.7	-10.5	-10.9	-11.6	-12.8	-13.5	-14.5	-15.1	-15.7	-16.6	-16.8	-14.0	-3.4	-26.8	23.4	

APRIL 1934

[Fahrenheit degrees, 180th meridian time]

Hour...	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	-19	-16	-15	-16	-15	-15	-15	-15	-14	-13	-12	-12	-12	-12	-11	-12	-12	-12	-10	-10	-9	-8	-7	-4	-12.3	-4	-21	17
2	-2	-1	-1	0	0	1	0	0	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2	3	-21.5	3	-37	40
3	-16	-14	-13	-7	-7	-3	0	2	6	13	16	19	20	22	20	20	21	22	22	22	21	21	22	17	10.2	23	-19	42
4	15	12	11	8	6	5	7	6	6	7	8	8	10	9	8	9	8	7	7	4	3	0	2	6	6.7	17	-6	23
5	-5	-1	0	0	2	1	-2	-2	2	-2	-3	-2	-2	-2	-5	-5	-5	-3	-3	-3	-2	-2	-7	-9	-2.4	5	-9	14
6	-9	-8	-7	-6	-11	-11	-10	-6	-4	-2	-1	-1	0	0	0	2	1	0	-2	-1	1	1	0	0	-3.0	2	-12	14
7	-2	-2	-2	-3	-2	-2	-2	-1	-1	-1	0	2	1	0	-2	-2	-4	-5	6	-5	-5	-6	-5	-4	-2.4	2	-6	8
8	-4	-6	-6	-6	-6	-5	-7	-6	-6	-6	-6	-5	-7	-9	-10	-10	-13	-14	-18	-18	-17	-18	-17	-16	-9.7	-4	-18	14
9	-17	-16	-15	-14	-14	-14	-16	-18	-18	-17	-16	-13	-11	-8	-9	-10	-11	-12	-20	-21	-16	-11	-10	-10	-14.3	-8	-22	14
10	-9	-8	-8	-8	-7	-9	-10	-11	-10	-9	-9	-9	-8	-8	-9	-10	-11	-12	-16	-15	-17	-18	-19	-19	-11.2	-8	-19	11
11	-18	-18	-18	-17	-18	-19	-20	-20	-24	-23	-22	-21	-20	-20	-20	-21	-22	-22	-13	-15	-15	-15	-15	-17	-20.1	-12	-27	15
12	-18	-18	-18	-17	-18	-19	-20	-20	-23	-24	-25	-27	-28	-30	-31	-32	-33	-34	-35	-35	-36	-37	-38	-38	-27.4	-17	-38	21
13	-38	-39	-39	-41	-42	-42	-41	-43	-43	-43	-44	-44	-42	-40	-37	-37	-31	-27	-26	-25	-25	-26	-22	-23	-35.8	-22	-45	23
14	-26	-26	-27	-31	-31	-32	-34	-35	-40	-38	-37	-37	-37	-35	-36	-35	-34	-32	-32	-33	-31	-33	-26	-23	-33.2	-25	-40	15
15	-26	-26	-27	-29	-27	-25	-23	-22	-21	-20	-17	-16	-16	-16	-16	-16	-16	-17	-17	-25	-29	-30	-27	-23	-22.0	-15	-31	16
16	-29	-29	-23	-28	-27	-26	-21	-25	-26	-24	-17	-17	-16	-16	-16	-18	-16	-17	-17	-16	-16	-23	-25	-27	-21.4	-15	-29	14
17	-27	-28	-29	-31	-31	-34	-34	-35	-39	-40	-41	-41	-42	-43	-43	-44	-45	-45	-46	-46	-46	-46	-46	-47	-39.5	-27	-47	20
18	-47	-47	-47	-47	-47	-48	-48	-48	-49	-48	-47	-46	-47	-48	-49	-50	-50	-50	-50	-51	-51	-52	-53	-53	-48.9	-46	-53	7
19	-53	-52	-52	-51	-51	-51	-49	-47	-43	-41	-39	-37	-36	-34	-32	-30	-29	-25	-23	-22	-21	-17	-15	-14	-36.0	-14	-53	39
20	-13	-12	-14	-15	-15	-14	-13	-13	-15	-13	-10	-7	-8	-5	-2	-1	-9	-10	-13	-14	-14	-14	-13	-13	-11.4	-1	-16	15
21	-13	-13	-15	-16	-15	-14	-13	-11	-13	-11	-12	-14	-13	-15	-16	-17	-17	-17	-19	-19	-19	-24	-23	-23	-15.9	-11	-24	13
22	-23	-22	-21	-21	-23	-23	-22	-21	-21	-21	-20	-19	-19	-20	-20	-21	-24	-28	-34	-35	-38	-38	-33	-23	-24.6	-19	-38	19
23	-22	-17	-16	-14	-14	-13	-11	-10	-8	-6	-5	-4	-4	-4	0	3	5	6	6	5	5	5	4	5	-4.2	6	-23	29
24	5	5	5	5	5	5	5	5	6	6	5	5	4	4	4	4	3	2	1	1	1	1	1	0	3.6	6	1	7
25	1	2	-4	-1	0	0	-2	-2	-2	-1	0	1	2	1	0	0	-1	0	-1	-2	-5	-5	-9	-10	-1.6	2	-10	12
26	-9	-8	-8	-7	-8	-9	-10	-12	-13	-12	-11	-10	-9	-12	-13	-16	-18	-19	-18	-17	-17	-19	-27	-28	-13.7	-8	-28	20
27	-29	-30	-32	-32	-30	-29	-27	-24	-24	-23	-22	-22	-22	-23	-25	-23	-21	-19	-14	-9	-9	-12	-13	-14	-22.0	-9	-32	23
28	-10	-10	-10	-10	-10	-10	-10	-10	-8	-7	-5	-4	-4	-4	-6	-7	-7	-3	-10	-14	-17	-17	-14	-18	-9.4	-4	-18	14
29	-17	-15	-11	-9	-11	-11	-8	-7	-6	-5	-5	-4	-2	-1	0	0	-4	-8	-8	-7	-5	-7	-12	-15	-7.4	0	-19	19
30	1	1	0	2	-2	-5	-3	-1	-10	-20	-23	-25	-26	-26	-27	-30	-33	-33	-33	-32	-33	-34	-37	-39	-19.7	2	-39	41
Mean	-16.0	-15.5	-15.6	-15.7	-15.9	-15.9	-15.8	-15.9	-16.2	-15.8	-15.0	-14.5	-14.3	-14.3	-14.7	-14.9	-15.5	-15.4	-16.0	-16.3	-16.3	-17.0	-17.2	-17.2	-15.7	-6.7	-26.0	19.3

TABLE 31.—*Temperatures—hourly values, Little America—Continued*

MAY 1934

[Fahrenheit degrees. 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1	-39	-40	-38	-39	-36	-40	-42	-40	-39	-31	-25	-23	-24	-27	-30	-27	-27	-29	-31	-34	-35	-38	-39	-41	-33.9	-23	-43	20	
2	-42	-44	-45	-47	-48	-48	-49	-46	-45	-44	-44	-45	-46	-45	-45	-44	-42	-40	-38	-36	-34	-33	-31	-31	-42.2	-31	-49	18	
3	-30	-27	-25	-24	-24	-24	-24	-27	-28	-29	-30	-31	-31	-32	-33	-34	-35	-36	-37	-39	-40	-41	-42	-44	-32.0	-23	-44	21	
4	-45	-46	-47	-48	-47	-45	-44	-43	-43	-42	-41	-40	-44	-43	-46	-46	-47	-46	-46	-43	-44	-45	-45	-45	-44.7	-27	-48	21	
5	-43	-44	-43	-43	-44	-45	-44	-40	-40	-41	-41	-42	-43	-42	-42	-40	-40	-38	-39	-39	-42	-42	-42	-41	-41.7	-37	-45	8	
6	-41	-42	-41	-42	-41	-38	-36	-35	-35	-35	-35	-36	-36	-35	-34	-34	-31	-30	-28	-27	-28	-28	-27	-27	-34.2	-26	-42	16	
7	-28	-28	-29	-28	-26	-24	-23	-24	-25	-26	-28	-29	-30	-31	-32	-33	-33	-33	-33	-31	-31	-35	-37	-35	-29.6	-23	-37	14	
8	-34	-37	-37	-39	-39	-39	-38	-38	-38	-38	-40	-41	-41	-41	-43	-44	-43	-44	-44	-44	-45	-45	-45	-44	-40.9	-34	-45	11	
9	-44	-43	-44	-43	-42	-40	-40	-38	-37	-35	-36	-36	-35	-32	-34	-34	-38	-40	-40	-42	-44	-44	-45	-46	-39.7	-32	-46	14	
10	-48	-49	-50	-51	-52	-51	-52	-53	-50	-50	-50	-48	-47	-46	-45	-43	-42	-40	-40	-39	-34	-31	-30	-27	-44.5	-27	-53	26	
11	-21	-13	-11	-10	-8	-8	-8	-8	-7	-6	-6	-6	-6	-7	-7	-7	-7	-6	-6	-5	-4	-4	-5	-5	-7.5	-4	-21	17	
12	-4	-10	-13	-16	-18	-17	-17	-16	-16	-15	-16	-16	-19	-22	-21	-27	-28	-29	-27	-23	-21	-22	-20	-20	-19.3	-4	-29	25	
13	-21	-23	-21	-20	-13	-13	-15	-16	-13	-9	-10	-8	-8	-9	-11	-10	-14	-14	-7	-6	-6	-3	-2	-1	-10.8	-1	-23	22	
14	0	0	0	0	1	1	2	0	-1	-4	-4	-4	-11	-13	-14	-16	-17	-19	-21	-23	-24	-25	-25	-24	-10.8	2	-25	27	
15	-25	-26	-27	-28	-29	-30	-31	-37	-36	-36	-32	-31	-31	-30	-29	-28	-27	-26	-25	-24	-25	-25	-26	-24	-28.7	-24	-37	13	
16	-24	-24	-23	-22	-21	-21	-20	-20	-19	-17	-17	-15	-14	-13	-13	-13	-13	-13	-13	-12	-12	-12	-12	-13	-16.5	-12	-24	12	
17	-12	-13	-11	-11	-12	-11	-11	-11	-10	-9	-9	-9	-9	-9	-8	-8	-8	-7	-9	-8	-9	-10	-11	-11	-9.8	-7	-13	6	
18	-14	-14	-14	-15	-14	-14	-13	-13	-14	-16	-17	-22	-24	-25	-29	-33	-36	-39	-40	-42	-43	-43	-44	-44	-25.9	-11	-44	33	
19	-44	-44	-45	-45	-46	-47	-49	-53	-55	-55	-56	-56	-55	-55	-55	-54	-55	-56	-56	-54	-55	-56	-57	-57	-52.5	-44	-57	13	
20	-54	-55	-57	-58	-59	-60	-60	-60	-61	-60	-60	-59	-59	-58	-59	-60	-60	-62	-58	-53	-51	-55	-56	-57	-58.0	-51	-62	11	
21	-56	-52	-56	-56	-54	-52	-49	-42	-40	-35	-34	-37	-38	-37	-36	-33	-31	-27	-28	-25	-28	-22	-18	-14	-37.6	-14	-56	42	
22	-12	-9	-5	-4	-4	-5	-2	2	7	14	16	17	17	17	14	13	13	8	5	1	-1	-1	-2	-2	4.0	17	-14	31	
23	-5	-6	-6	-6	-6	-7	-8	-11	-13	-13	-13	-11	-10	-6	-5	-4	-1	3	6	7	7	8	9	9	-3.4	9	-13	22	
24	10	11	12	12	16	16	16	17	17	18	18	18	19	20	25	23	25	24	18	17	16	13	16	18	17.3	25	9	16	
25	18	18	18	17	16	17	18	20	21	15	9	5	3	2	0	0	-1	-1	-3	-3	0	5	10	11	9.0	21	-3	24	
26	12	11	11	13	11	8	10	10	9	8	9	10	10	9	10	10	10	10	9	8	4	3	5	7	9.0	13	3	10	
27	9	11	14	12	10	12	6	8	6	6	6	5	3	3	4	5	4	4	4	3	2	1	1	1	5.8	14	1	13	
28	3	4	5	6	5	3	1	2	2	4	6	7	5	5	1	1	1	0	-6	-4	-6	-7	-7	-5	0.9	7	-8	15	
29	-3	-6	-9	-9	-7	-11	-7	-3	-3	-2	1	2	2	5	5	1	0	-4	-6	-4	-6	-7	-7	-7	7	7	-8	15	
30	8	3	5	9	10	11	13	14	15	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	
31	17	16	16	16	16	16	16	15	15	13	11	3	0	7	8	8	7	5	3	8	9	10	8	8	10.4	17	0	17	
Mean	-19.7	-20.0	-19.9	-20.0	-19.5	-19.5	-19.5	-19.0	-18.7	-17.9	-17.8	-18.2	-19.6	-19.3	-19.6	-19.8	-19.9	-20.0	-20.2	-19.7	-20.1	-20.3	-20.0	-19.4	-19.4	-19.4	-10.3	-28.8	18.5

JUNE 1984

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1.....	10	12	14	6	7	9	7	8	8	9	10	11	12	12	10	10	11	11	10	9	8	4	8	12	9.5	14	4	10
2.....	11	10	9	9	6	4	2	-2	-2	-4	-5	-9	-9	-12	-11	-7	-3	0	0	1	2	13	13	14	1.2	14	-13	27
3.....	16	17	20	20	20	19	18	19	18	19	18	17	16	16	17	17	18	19	22	24	23	22	22	22	19.0	24	14	10
4.....	22	20	21	23	24	25	23	24	24	24	23	22	20	19	18	18	16	15	18	20	20	16	18	20	20.4	25	14	11
5.....	21	20	21	22	22	23	21	19	20	16	12	10	8	9	8	8	6	2	0	-1	13	8	10	8	12.7	24	-1	25
6.....	4	-3	-6	-7	-10	-13	-14	-16	-16	-16	-14	-14	-15	-16	-18	-18	-18	-18	-20	-19	-19	-18	-20	-20	-14.3	0	-20	20
7.....	-20	-21	-22	-22	-23	-23	-23	-23	-25	-26	-28	-29	-30	-32	-33	-34	-35	-37	-31	-35	-32	-30	-33	-33	-28.2	-19	-37	18
8.....	-30	-23	-24	-24	-21	-19	-17	-13	-11	-8	-6	-4	-1	-2	1	4	4	6	5	7	7	3	0	0	-6.6	7	-33	40
9.....	-3	-2	-3	-5	0	-2	0	-7	-6	-5	-8	-10	-7	-6	-5	-5	-3	-1	-1	0	1	2	2	2	-3.0	3	-10	13
10.....	3	5	6	7	5	2	3	1	5	5	4	1	1	1	1	1	1	4	7	8	9	9	9	9	-1.4	10	-1	16
11.....	10	10	6	5	1	-2	-1	1	1	5	4	1	1	-1	-4	-4	-4	-4	4	8	10	-13	-16	-18	-1.4	10	-18	28
12.....	-21	-23	-23	-25	-25	-26	-26	-22	-24	-24	-25	-23	-25	-24	-25	-26	-27	-27	-27	-27	-27	-27	-26	-27	-25.1	-18	-28	10
13.....	-28	-30	-33	-34	-32	-30	-29	-27	-25	-24	-21	-19	-17	-14	-16	-16	-16	-17	-18	-17	-15	-15	-16	-16	-21.8	-15	-34	19
14.....	-16	-15	-15	-15	-14	-15	-14	-13	-11	-8	-5	9	9	11	20	18	17	17	15	15	17	18	18	18	2.5	21	-16	37
15.....	16	14	13	8	7	7	10	11	11	11	10	4	3	-2	-6	-2	-2	-3	-2	-2	-4	2	0	3	4.5	18	-6	24
16.....	6	10	12	10	6	5	5	6	6	6	5	4	3	2	1	1	1	-1	-2	-2	-2	-3	-3	-3	3.0	13	-3	16
17.....	-3	-4	-4	-6	-8	-9	-10	-9	-12	-12	-15	-16	-16	-22	-25	-26	-27	-28	-27	-29	-29	-28	-31	-32	-17.7	-3	-31	28
18.....	-31	-31	-31	-32	-34	-34	-33	-31	-30	-30	-30	-34	-33	-33	-30	-31	-28	-27	-27	-28	-29	-31	-32	-35	-31.0	-27	-35	8
19.....	-38	-39	-37	-39	-38	-33	-31	-28	-25	-22	-17	-12	-10	-8	-9	-8	-11	-9	-10	-11	-12	-11	-0	-8	-19.8	-8	-39	31
20.....	-9	-9	-9	-12	-18	-16	-15	-12	-9	-6	-6	-4	-4	-6	-9	-11	-11	-11	-12	-14	-14	-14	-14	-14	-11.1	-4	-20	16
21.....	-17	-19	-19	-18	-18	-20	-21	-21	-22	-22	-24	-26	-26	-25	-25	-25	-25	-29	-30	-32	-33	-35	-36	-37	-25.2	-14	-37	23
22.....	-37	-36	-37	-37	-37	-36	-35	-33	-32	-33	-34	-35	-36	-36	-37	-37	-37	-36	-36	-35	-34	-33	-32	-30	-35.0	-30	-38	8
23.....	-20	-27	-25	-23	-22	-20	-19	-18	-18	-16	-12	-10	-14	-21	-23	-26	-27	-19	-15	-13	-17	-20	-23	-23	-19.7	-10	-30	20
24.....	-26	-28	-31	-32	-32	-34	-34	-31	-26	-24	-23	-23	-21	-20	-18	-16	-17	-18	-19	-19	-24	-17	-14	-13	-23.3	-12	-35	23
25.....	-14	-17	-17	-16	-13	-18	-16	-16	-12	-12	-10	-10	-14	-17	-19	-20	-21	-22	-22	-21	-20	-19	-17	-15	-16.7	-10	-22	12
26.....	-17	-18	-18	-17	-17	-17	-15	-15	-16	-16	-16	-17	-17	-17	-17	-17	-17	-17	-17	-20	-21	-22	-25	-26	-17.9	-15	-26	11
27.....	-20	-20	-23	-34	-35	-35	-35	-35	-36	-36	-36	-37	-37	-38	-40	-40	-41	-41	-42	-42	-42	-41	-40	-41	-37.4	-26	-42	16
28.....	-42	-43	-44	-44	-45	-46	-47	-49	-49	-50	-50	-50	-50	-50	-51	-51	-51	-51	-51	-52	-52	-52	-52	-52	-48.9	-41	-53	12
29.....	-52	-52	-52	-52	-52	-50	-49	-48	-49	-50	-50	-50	-50	-50	-50	-48	-46	-45	-44	-43	-47	-49	-49	-49	-49.0	-43	-53	10
30.....	-47	-46	-45	-42	-40	-37	-37	-35	-36	-37	-36	-37	-36	-37	-39	-39	-36	-34	-33	-33	-31	-34	-34	-34	-37.3	-31	-49	18
Mean...	-13.0	-13.3	-13.6	-14.4	-14.5	-14.7	-14.4	-13.7	-13.1	-12.8	-12.7	-12.8	-13.0	-13.6	-14.0	-14.0	-14.0	-13.9	-13.5	-14.0	-13.9	-13.4	-13.7	-14.0	-13.7	-4.6	-23.3	18.7

TABLE 31.—Temperatures—hourly values, Little America—Continued

JULY 1934

[Fahrenheit degrees, 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1	-37	-40	-41	-43	-43	-44	-48	-46	-46	-45	-43	-41	-39	-38	-36	-36	-35	-36	-38	-39	-38	-38	-42	-44	-40.7	-35	-49	14	
2	-44	-46	-49	-50	-53	-55	-58	-60	-60	-61	-61	-61	-60	-58	-58	-53	-51	-51	-49	-48	-48	-48	-48	-47	-53.2	-44	-61	17	
3	-50	-51	-51	-51	-52	-53	-54	-54	-55	-56	-57	-58	-58	-59	-58	-58	-57	-52	-49	-50	-53	-52	-48	-43	-53.3	-43	-59	16	
4	-41	-38	-35	-33	-34	-35	-33	-33	-33	-32	-32	-32	-34	-34	-34	-34	-34	-34	-34	-34	-34	-34	-34	-34	-31.6	-13	-43	30	
5	-21	-20	-18	-16	-16	-12	-11	-10	-13	-15	-15	-13	-12	-13	-12	-12	-12	-15	-15	-15	-18	-20	-22	-28	-25	-10	-28	18	
6	-28	-28	-26	-25	-26	-28	-26	-24	-24	-28	-31	-37	-39	-41	-44	-46	-48	-49	-49	-50	-51	-52	-53	-53	-37.8	-24	-53	29	
7	-53	-53	-52	-51	-49	-47	-48	-49	-50	-50	-50	-51	-52	-52	-52	-52	-52	-53	-53	-51	-51	-51	-52	-52	-51.1	-47	-54	7	
8	-53	-54	-55	-55	-55	-56	-57	-56	-56	-57	-57	-57	-59	-55	-51	-46	-42	-39	-38	-36	-35	-35	-34	-36	-48.8	-34	-59	25	
9	-38	-35	-37	-39	-38	-44	-44	-44	-44	-44	-44	-46	-46	-46	-47	-46	-45	-45	-44	-46	-46	-47	-48	-48	-45.2	-36	-48	12	
10	-47	-46	-45	-46	-46	-48	-49	-51	-52	-53	-54	-53	-50	-50	-50	-51	-54	-54	-54	-53	-53	-53	-53	-54	-51.6	-47	-54	9	
11	-47	-47	-49	-50	-52	-52	-54	-52	-53	-52	-51	-50	-50	-50	-50	-51	-54	-54	-54	-53	-53	-53	-53	-54	-51.6	-47	-54	7	
12	-54	-55	-55	-55	-55	-56	-56	-55	-55	-55	-55	-54	-53	-54	-56	-57	-58	-59	-61	-62	-62	-63	-62	-61	-56.9	-52	-63	43	
13	-60	-58	-57	-55	-54	-53	-52	-51	-56	-52	-54	-53	-53	-54	-56	-57	-58	-59	-61	-62	-62	-63	-62	-61	-56.9	-52	-63	43	
14	-24	-22	-20	-18	-17	-24	-29	-32	-39	-39	-39	-38	-38	-37	-36	-34	-33	-31	-32	-32	-32	-32	-33	-33	-31.0	-17	-40	23	
15	-33	-34	-35	-36	-35	-34	-33	-35	-36	-36	-35	-35	-35	-37	-38	-38	-38	-39	-39	-40	-40	-40	-41	-40	-37.0	-33	-41	8	
16	-40	-40	-40	-41	-43	-41	-43	-44	-43	-42	-43	-43	-44	-44	-44	-44	-44	-45	-45	-45	-45	-45	-45	-45	-44.8	-21	-59	37	
17	-21	-25	-28	-31	-37	-42	-43	-44	-43	-42	-43	-43	-44	-44	-44	-44	-44	-45	-45	-45	-45	-45	-45	-45	-44.8	-21	-59	38	
18	-51	-49	-48	-48	-48	-47	-45	-45	-45	-45	-44	-44	-44	-46	-46	-46	-46	-46	-46	-46	-46	-46	-46	-46	-46.1	-14	-52	38	
19	-17	-15	-14	-27	-34	-36	-35	-35	-38	-43	-44	-44	-44	-46	-46	-46	-46	-46	-46	-46	-46	-46	-46	-46	-46.1	-14	-52	38	
20	-44	-49	-53	-58	-65	-67	-67	-67	-66	-67	-67	-68	-69	-70	-70	-71	-70	-70	-70	-70	-70	-69	-68	-67	-65	-65.3	-40	-71	31
21	-63	-60	-58	-55	-52	-49	-45	-43	-41	-38	-36	-34	-31	-28	-27	-27	-26	-26	-26	-25	-24	-30	-32	-37.6	-24	-65	41		
22	-39	-41	-44	-46	-49	-50	-52	-53	-54	-54	-56	-58	-58	-59	-58	-58	-59	-59	-54	-54	-54	-51	-43	-39	-51.7	-32	-60	28	
23	-39	-38	-39	-37	-32	-35	-34	-30	-28	-25	-23	-20	-19	-17	-15	-13	-11	-7	-6	-7	-8	-9	-11	-11	-21.4	-6	-39	33	
24	-11	-10	-10	-10	-11	-12	-11	-9	-7	-8	-8	-8	-8	-7	-7	-7	-7	-10	-9	-4	-3	-1	0	1	-7.5	1	-12	13	
25	2	3	3	4	4	5	7	7	6	5	6	6	7	8	7	7	8	10	12	13	13	14	15	15	7.9	15	1	14	
26	17	17	18	20	21	22	23	22	22	22	21	21	21	21	22	23	21	19	18	17	16	16	10	5	18.3	23	1	22	
27	-1	-4	-6	-9	-12	-13	-16	-20	-24	-27	-31	-32	-33	-36	-38	-37	-36	-39	-40	-41	-43	-39	-39	-41	-27.4	1	-43	44	
28	-44	-42	-42	-41	-40	-42	-42	-46	-50	-50	-51	-52	-52	-54	-54	-54	-54	-54	-53	-54	-54	-54	-55	-56	-49.8	-40	-56	16	
29	-56	-57	-58	-58	-58	-57	-58	-57	-56	-56	-54	-53	-53	-53	-53	-53	-54	-52	-52	-50	-52	-54	-56	-57	-54.9	-50	-58	8	
30	-58	-58	-58	-58	-58	-59	-59	-59	-60	-59	-59	-57	-50	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-49.0	-32	-60	28	
31	-58	-58	-58	-58	-58	-59	-59	-59	-60	-59	-59	-57	-50	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-49.0	-32	-60	28	
Mean	-36.4	-36.7	-37.0	-37.5	-38.2	-38.2	-38.9	-38.8	-39.8	-39.9	-40.1	-39.4	-38.8	-37.3	-36.4	-35.8	-35.3	-35.4	-34.9	-34.7	-35.1	-35.0	-35.6	-36.0	-37.1	-24.7	-48.0	23.3	

AUGUST 1934
[Fahrenheit degrees, 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	-31	-29	-29	-29	-29	-28	-30	-32	-31	-34	-33	-39	-41	-42	-43	-43	-42	-42	-41	-41	-40	-38	-37	-36	-35.8	-28	-43	15	
2.....	-35	-31	-31	-30	-33	-34	-31	-29	-27	-27	-23	-25	-29	-27	-23	-19	-8	-2	-1	-2	-4	-3	-5	-1	-20.0	0	-36	36	
3.....	-2	-2	-3	-4	-9	-10	-6	-5	-5	-5	-6	-11	-14	-16	-16	-15	-17	-19	-22	-25	-30	-25	-26	-26	-13.3	-1	-30	29	
4.....	-28	-29	-30	-30	-29	-29	-27	-17	-13	-14	-14	-18	-19	-19	-20	-19	-20	-21	-21	-23	-21	-20	-18	-17	-21.5	-13	-30	17	
5.....	-19	-13	-12	-11	-8	-4	-3	-3	-4	-3	-2	-6	-7	-7	-10	-14	-17	-20	-22	-20	-23	-22	-23	-23	-12.3	-2	-24	22	
6.....	-23	-24	-26	-29	-30	-30	-28	-27	-26	-25	-25	-25	-26	-27	-29	-30	-32	-33	-34	-34	-35	-37	-42	-45	-30.1	-23	-45	22	
7.....	-48	-49	-50	-51	-53	-53	-54	-55	-54	-53	-54	-54	-55	-56	-56	-56	-57	-58	-58	-55	-54	-54	-54	-56	-54.0	-45	-58	13	
8.....	-57	-59	-59	-58	-58	-54	-45	-41	-36	-33	-31	-30	-30	-29	-30	-29	-31	-28	-28	-27	-34	-39	-34	-29	-38.7	-27	-59	32	
9.....	-29	-25	-21	-19	-16	-14	-13	-13	-9	-9	-10	-11	-12	-13	-13	-14	-19	-23	-22	-22	-22	-22	-22	-21	-17.2	-9	-29	20	
10.....	-21	-22	-22	-23	-23	-22	-22	-23	-23	-23	-24	-25	-29	-29	-32	-28	-25	-25	-25	-24	-25	-27	-28	-31	-34	-25.4	-20	-34	14
11.....	-35	-36	-36	-37	-30	-16	-26	-27	-28	-24	-25	-29	-31	-33	-36	-38	-40	-42	-44	-46	-45	-44	-45	-46	-46	-35.0	-14	-46	32
12.....	-44	-41	-41	-41	-41	-41	-41	-41	-43	-45	-47	-47	-49	-51	-51	-51	-53	-52	-53	-53	-53	-52	-52	-53	-47.3	-40	-53	13	
13.....	-50	-49	-49	-47	-46	-45	-44	-44	-42	-42	-40	-39	-40	-41	-40	-36	-38	-36	-39	-40	-38	-36	-36	-38	-38	-41.5	-35	-53	18
14.....	-39	-39	-41	-42	-39	-42	-43	-40	-40	-35	-33	-30	-24	-24	-23	-22	-20	-24	-26	-27	-27	-27	-27	-29	-31.8	-20	-43	23	
15.....	-31	-32	-33	-34	-37	-37	-35	-33	-34	-35	-34	-31	-29	-26	-24	-22	-23	-22	-20	-19	-17	-15	-14	-11	-27.0	-11	-38	27	
16.....	-10	-8	-8	-7	-7	-6	-6	-4	-5	-5	-6	-6	-8	-11	-12	-9	-11	-12	-12	-13	-13	-12	-12	-8	-8.9	-4	-13	9	
17.....	-7	-7	-8	-11	-13	-16	-19	-21	-22	-23	-23	-22	-22	-22	-23	-26	-28	-29	-31	-37	-41	-44	-45	-47	-24.5	-7	-47	40	
18.....	-48	-48	-48	-48	-46	-48	-49	-49	-50	-52	-53	-49	-52	-52	-55	-53	-51	-43	-36	-31	-35	-28	-31	-27	-45.1	-25	-55	30	
19.....	-28	-37	-35	-29	-28	-33	-35	-36	-37	-34	-36	-36	-36	-34	-35	-35	-35	-39	-42	-44	-45	-46	-48	-50	-37.2	-24	-50	26	
20.....	-52	-53	-54	-55	-57	-59	-60	-59	-61	-62	-61	-62	-67	-67	-66	-64	-60	-51	-52	-54	-55	-57	-58	-58	-55.4	-49	-62	13	
21.....	-60	-63	-64	-65	-65	-66	-66	-65	-65	-65	-64	-64	-64	-64	-65	-66	-68	-69	-71	-70	-65	-62	-62	-61	-65.2	-58	-71	13	
22.....	-59	-59	-55	-48	-43	-47	-47	-48	-46	-49	-52	-53	-50	-51	-50	-49	-53	-55	-53	-57	-59	-60	-62	-63	-52.8	-43	-63	20	
23.....	-63	-64	-65	-62	-63	-64	-61	-59	-58	-54	-53	-49	-51	-50	-44	-46	-45	-43	-44	-47	-47	-50	-51	-52	-53.5	-43	-65	22	
24.....	-54	-57	-59	-59	-58	-59	-59	-62	-64	-63	-62	-61	-58	-58	-59	-60	-58	-58	-55	-56	-58	-62	-65	-61	-59.4	-54	-65	11	
25.....	-62	-59	-60	-58	-58	-59	-56	-54	-52	-49	-48	-49	-50	-46	-48	-51	-53	-55	-59	-57	-60	-58	-58	-60	-55.0	-46	-62	16	
26.....	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-60	32	
27.....	-56	-58	-57	-59	-60	-60	-61	-62	-63	-64	-64	-64	-67	-67	-66	-62	-56	-49	-31	-47	-51	-51	-52	-55	-45.5	-28	-68	48	
28.....	-18	-17	-17	-17	-17	-17	-16	-18	-19	-20	-19	-20	-20	-20	-23	-24	-28	-31	-41	-40	-42	-42	-42	-43	-43	-25.4	-16	-43	27
29.....	-44	-44	-45	-46	-47	-44	-42	-42	-40	-40	-41	-41	-43	-44	-46	-47	-46	-46	-44	-43	-45	-48	-50	-52	-44.6	-39	-52	13	
30.....	-54	-55	-55	-55	-56	-57	-59	-62	-62	-60	-59	-61	-61	-62	-62	-64	-65	-65	-67	-68	-68	-70	-71	-71	-62.0	-52	-71	19	
31.....	-69	-68	-65	-63	-65	-66	-61	-64	-62	-59	-55	-52	-55	-57	-60	-58	-57	-54	-50	-47	-45	-47	-44	-44	-57.0	-44	-71	27	
Mean.....	-39.7	-39.3	-39.1	-38.6	-38.7	-38.6	-38.2	-37.9	-37.5	-37.1	-36.8	-37.2	-37.9	-38.0	-38.5	-38.4	-38.7	-38.7	-38.5	-39.3	-39.9	-39.8	-39.9	-39.9	-38.6	-27.1	-49.6	22.5	

TABLE 31.—Temperatures—hourly values, *Little America*—Continued

SEPTEMBER 1934

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	-44	-43	-48	-50	-47	-44	-42	-40	-38	-39	-39	-39	-38	-36	-33	-32	-29	-32	-35	-37	-40	-43	-44	-44	39.8	-29	-50	21	
2.....	-40	-37	-34	-33	-33	-33	-29	-22	-16	-17	-22	-28	-29	-30	-31	-25	-16	-11	-10	-17	-24	-17	-3	-10	-23.7	-3	-44	41	
3.....	-17	-20	-21	-27	-28	-32	-33	-35	-37	-36	-35	-33	-32	-33	-36	-37	-37	-36	-35	-35	-32	-35	-38	-42	-32.6	-10	-42	32	
4.....	-45	-45	-45	-44	-44	-44	-42	-40	-39	-38	-37	-33	-18	-8	-7	-4	-1	1	2	0	-1	-2	-3	-3	-22.5	2	-45	47	
5.....	-4	-5	-4	-5	-7	-10	-11	-11	-13	-11	-12	-13	-14	-15	-18	-18	-18	-19	-19	-19	-22	-22	-23	-23	-14.0	-3	-23	20	
6.....	-24	-24	-25	-22	-21	-25	-27	-25	-24	-24	-27	-34	-37	-40	-41	-44	-48	-49	-48	-48	-47	-40	-37	-36	-34.0	-21	-49	28	
7.....	-36	-36	-42	-44	-46	-48	-50	-47	-50	-50	-51	-52	-52	-52	-53	-53	-54	-56	-58	-60	-61	-61	-59	-58	-51.2	-36	-61	25	
8.....	-55	-58	-59	-61	-62	-62	-63	-64	-61	-58	-56	-56	-57	-57	-55	-56	-59	-59	-61	-60	-61	-64	-63	-63	-59.7	-55	-64	9	
9.....	-65	-64	-59	-55	-53	-51	-48	-44	-37	-33	-29	-30	-24	-20	-21	-15	-13	-28	-30	-32	-36	-38	-36	-35	-37.3	-13	-65	52	
10.....	-34	-39	-43	-46	-48	-48	-46	-44	-41	-39	-38	-41	-43	-46	-48	-49	-51	-56	-57	-58	-59	-60	-61	-62	-50.0	-34	-62	28	
11.....	-61	-59	-56	-52	-48	-49	-50	-52	-53	-54	-54	-51	-51	-53	-54	-54	-55	-57	-57	-58	-59	-59	-58	-59	-53.7	-48	-59	11	
12.....	-53	-53	-50	-40	-48	-49	-50	-52	-53	-54	-61	-62	-62	-63	-60	-60	-62	-63	-63	-64	-65	-65	-65	-66	-62.4	-58	-66	8	
13.....	-66	-67	-67	-67	-67	-67	-67	-64	-64	-64	-61	-62	-62	-63	-63	-62	-61	-59	-58	-55	-55	-52	-49	-42	-60.6	-42	-67	25	
14.....	-36	-34	-31	-29	-28	-28	-27	-26	-26	-24	-24	-22	-22	-21	-14	-24	-23	-24	-24	-24	-25	-28	-27	-26	-25.7	-14	-42	28	
15.....	-23	-21	-22	-27	-28	-30	-29	-31	-33	-32	-33	-34	-38	-43	-45	-49	-52	-53	-54	-55	-56	-56	-56	-56	-56	-39.9	-21	-56	35
16.....	-56	-57	-58	-58	-57	-54	-55	-56	-56	-55	-55	-56	-56	-57	-58	-60	-61	-61	-62	-65	-65	-66	-64	-63	-58.8	-54	-66	12	
17.....	-61	-56	-56	-50	-50	-51	-47	-45	-42	-40	-41	-39	-40	-42	-45	-49	-50	-50	-50	-50	-50	-50	-50	-50	-44.6	-37	-63	26	
18.....	-40	-37	-34	-33	-31	-31	-31	-30	-29	-27	-27	-26	-25	-25	-27	-27	-28	-31	-35	-31	-29	-28	-27	-26	-29.8	-25	-40	15	
19.....	-26	-25	-23	-23	-22	-22	-22	-19	-16	-16	-15	-15	-13	-13	-14	-14	-14	-13	-13	-13	-13	-11	-10	-9	-16.4	-9	-26	17	
20.....	-8	-7	-4	-3	-1	-2	-1	4	0	-3	-2	-1	2	10	10	10	0	-6	-8	-10	-13	-15	-17	-21	-3.6	10	-21	31	
21.....	-19	-16	-15	-17	-22	-27	-25	-25	-26	-27	-26	-25	-24	-25	-26	-19	-16	-15	-14	-13	-11	-11	-10	-9	-19.3	-9	-27	18	
22.....	-23	-23	-23	-23	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-9	-27	15	
23.....	-1	0	-5	-5	-5	-7	-7	-5	-4	-4	-4	-4	-4	-2	-2	6	6	6	5	4	3	2	1	1	-1.8	6	-9	15	
24.....	-49	-50	-51	-51	-51	-50	-42	-32	-30	-32	-33	-33	-32	-32	-31	-28	-25	-25	-23	-22	-20	-19	-20	-21	-33.4	-18	-51	33	
25.....	-23	-23	-25	-26	-26	-29	-29	-30	-30	-32	-30	-29	-27	-25	-26	-29	-32	-34	-36	-36	-37	-36	-38	-37	-30.2	-21	-38	17	
26.....	-35	-29	-29	-29	-28	-29	-30	-30	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-31	-31	-31	-27.5	-2	-40	38	
27.....	-7	-5	-16	-17	-25	-26	-28	-24	-19	-15	-21	-29	-31	-33	-31	-30	-29	-29	-30	-30	-29	-31	-33	-33	-25.0	-4	-34	30	
28.....	-31	-30	-33	-35	-33	-30	-26	-25	-25	-31	-32	-34	-33	-33	-35	-37	-40	-43	-45	-47	-46	-49	-49	-47	-36.3	-25	-50	25	
29.....	-45	-43	-38	-35	-30	-29	-24	-17	-7	-1	0	2	2	3	3	5	7	8	-45	-47	-46	-49	-49	-47	-36.3	-25	-50	25	
30.....	-45	-43	-38	-35	-30	-29	-24	-17	-7	-1	0	2	2	3	3	5	7	8	-45	-47	-46	-49	-49	-47	-36.3	-25	-50	25	
Mean...	-35.7	-35.0	-35.5	-35.6	-35.9	-36.3	-35.4	-33.8	-32.6	-32.1	-32.7	-33.1	-32.3	-32.0	-32.3	-32.3	-32.3	-33.7	-34.3	-35.2	-36.1	-36.2	-35.6	-35.8	-34.2	-20.1	-47.2	27.1	

OCTOBER 1934

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	-32	-30	-29	-29	-31	-32	-32	-31	-30	-29	-29	-29	-30	-32	-34	-34	-38	-41	-42	-43	-43	-44	-44	-44	-43	-34.6	-28	-45	17
2.....	-42	-41	-42	-42	-42	-43	-41	-39	-40	-39	-37	-34	-33	-34	-35	-35	-38	-34	-36	-37	-37	-36	-34	-37	-37	-32	-43	11	
3.....	-39	-41	-42	-38	-36	-36	-33	-27	-26	-25	-24	-21	-19	-23	-24	-24	-18	-17	-17	-17	-19	-17	-16	-17	-17	-16	-42	26	
4.....	-15	-13	-13	-14	-12	-9	-7	-6	-5	-6	-4	-3	-1	-1	-3	1	2	-1	-2	-3	-3	-4	-4	-3	-3	-5.4	3	17	
5.....	-3	-3	-4	-5	-3	-6	-3	1	2	3	5	4	5	7	9	9	10	12	13	14	16	17	14	13	17	-6	23		
6.....	12	10	9	9	2	-6	-10	-12	-15	-17	-19	-20	-20	-20	-21	-22	-22	-23	-18	-16	-12	-10	-9	-9	-9	-10.8	13	36	
7.....	-8	-5	-4	-4	-5	-4	-5	-3	-3	-4	-2	-1	1	1	1	3	3	2	1	-2	-1	-3	-5	-3	-3	-2.2	3	12	
8.....	-3	-3	0	1	3	5	7	9	10	11	11	12	12	12	12	12	11	11	11	11	12	12	2	0	7.5	12	-3	15	
9.....	2	2	3	4	6	6	7	6	6	7	7	7	7	7	6	5	6	4	3	2	-1	-3	-4	-2	3.7	7	-4	11	
10.....	-1	0	0	1	0	0	0	1	1	1	1	1	1	2	3	3	3	3	4	4	4	6	8	8	8	2.2	8	-2	10
11.....	7	6	7	7	6	6	6	6	4	3	3	3	3	4	3	0	-2	-3	-5	-6	-7	-9	-10	-13	-15	0.4	8	-15	23
12.....	-14	-17	-20	-22	-20	-19	-14	-12	-9	-10	-10	-10	-11	-12	-13	-14	-14	-16	-18	-20	-22	-22	-24	-27	-16.2	-9	-27	18	
13.....	-28	-30	-27	-25	-26	-23	-20	-18	-18	-15	-11	-8	-8	-6	-5	-5	-4	-5	-5	-6	-7	-6	-1	-2	-12.9	-1	-30	29	
14.....	-1	0	1	2	4	2	2	2	1	2	2	3	3	4	4	5	5	5	4	3	3	1	1	1	1	2.5	5	-2	7
15.....	0	0	-1	-1	1	0	0	1	2	2	2	3	3	3	3	2	2	1	1	0	0	-3	-3	-4	0.6	4	-4	8	
16.....	-4	-3	-2	-1	0	1	1	2	4	4	3	2	1	0	-3	-4	-5	-8	-9	-10	-7	-8	-8	-7	-2.5	4	-11	15	
17.....	-8	-9	-13	-18	-18	-16	-14	-11	-12	-12	-12	-12	-12	-12	-12	-13	-13	-13	-12	-13	-13	-14	-15	-15	-13.0	-5	-19	14	
18.....	-17	-17	-17	-18	-18	-17	-16	-16	-16	-16	-15	-14	-13	-11	-11	-17	-19	-23	-29	-32	-33	-36	-39	-40	-20.8	-9	-40	31	
19.....	-40	-42	-41	-41	-40	-33	-29	-28	-24	-21	-21	-19	-16	-16	-16	-25	-29	-29	-26	-29	-30	-33	-34	-32	-26.1	-15	-42	27	
20.....	-28	-27	-25	-24	-22	-19	-17	-14	-13	-13	-15	-17	-16	-15	-16	-15	-16	-15	-22	-25	-28	-28	-29	-30	-30	-20.4	-12	-32	20
21.....	-32	-32	-32	-32	-34	-33	-32	-32	-29	-28	-26	-25	-25	-26	-26	-25	-25	-25	-26	-26	-26	-27	-28	-28	-28	-28.3	-24	-34	10
22.....	-28	-28	-27	-26	-25	-24	-22	-19	-18	-17	-16	-17	-17	-16	-18	-19	-20	-22	-24	-25	-27	-29	-31	-33	-22.8	-16	-33	17	
23.....	-34	-37	-37	-35	-35	-30	-28	-26	-28	-25	-26	-23	-25	-26	-25	-23	-21	-21	-21	-21	-22	-22	-21	-21	-21	-26.4	-21	-38	17
24.....	-20	-19	-19	-18	-16	-14	-13	-12	-11	-9	-8	-6	-5	-5	-5	-6	-6	-7	-6	-6	-6	-7	-7	-7	-7	-9.9	-5	-21	16
25.....	-7	-8	-7	-6	-7	-7	-7	-6	-6	-7	-7	-7	-9	-10	-12	-13	-13	-19	-25	-25	-29	-33	-32	-33	-14.7	-6	-33	27	
26.....	-35	-35	-34	-35	-31	-28	-29	-30	-27	-25	-27	-23	-23	-22	-24	-23	-23	-28	-32	-36	-32	-34	-36	-37	-37	-23.5	-22	-37	15
27.....	-36	-34	-32	-33	-32	-31	-31	-31	-31	-31	-30	-29	-29	-28	-28	-28	-29	-29	-31	-32	-38	-42	-40	-38	-32.2	-27	-42	15	
28.....	-34	-33	-31	-31	-28	-25	-25	-22	-20	-18	-16	-15	-13	-12	-10	-9	-9	-7	-7	-6	-6	-6	-5	-3	-3	-16.3	-3	-38	35
29.....	-2	-1	0	0	-5	-12	-15	-17	-17	-17	-18	-18	-17	-17	-17	-18	-20	-22	-23	-26	-26	-26	-29	-30	-16.4	1	-30	31	
30.....	-31	-32	-30	-29	-28	-25	-22	-22	-20	-19	-17	-15	-14	-15	-15	-17	-17	-18	-20	-25	-26	-29	-28	-30	-22.7	-14	-30	16	
31.....	-30	-31	-32	-33	-21	-16	-13	-10	-9	-8	-7	-7	-6	-7	-7	-7	-8	-10	-12	-14	-18	-23	-24	-26	-15.8	-6	-33	27	
Mean.....	-17.8	-17.8	-17.5	-17.4	-16.6	-15.7	-14.7	-13.4	-12.9	-12.2	-11.7	-11.0	-10.5	-10.6	-11.3	-11.6	-12.1	-13.0	-13.9	-15.1	-15.8	-16.7	-17.4	-17.7	-14.3	-6.0	-25.3	19.3	

TABLE 31.—*Temperatures—hourly values, Little America—Continued*

NOVEMBER 1934

[Fahrenheit degrees, 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	-28	-30	-30	-30	-30	-28	-27	-27	-26	-26	-25	-23	-21	-20	-19	-19	-20	-24	-26	-30	-31	-32	-32	-33	-26.5	-18	-34	16	
2.....	-35	-34	-32	-31	-30	-29	-24	-22	-20	-17	-16	-17	-15	-15	-16	-16	-16	-16	-17	-16	-16	-16	-13	-11	-20.4	-11	-35	24	
3.....	-9	-8	-7	-5	-4	-4	-2	-2	0	0	1	2	3	2	3	3	3	3	1	0	0	0	-1	-2	-1.1	3	-11	14	
4.....	-5	-7	-8	-9	-8	-6	-4	-4	-5	-5	-5	-3	-3	-2	-1	-1	-1	-2	-3	-2	-2	-3	-2	-1	-3.9	-1	-9	8	
5.....	-2	-2	-2	-2	-2	0	2	5	6	6	10	9	10	7	6	7	4	2	-2	-1	-2	-1	-6	-8	1.8	11	-8	19	
6.....	-11	-10	-10	-10	-10	-9	-9	-9	-8	-8	-8	-7	-6	-6	-6	-6	-9	-11	-13	-15	-19	-22	-28	-32	-12.6	-5	-32	27	
7.....	-25	-22	-21	-19	-18	-16	-15	-16	-17	-17	-17	-16	-16	-13	-16	-17	-18	-18	-18	-18	-18	-19	-19	-19	-17.8	-13	-32	19	
8.....	-18	-18	-17	-17	-16	-15	-14	-14	-13	-12	-11	-11	-12	-12	-12	-12	-12	-12	-11	-11	-13	-13	-14	-14	-13.5	-10	-19	9	
9.....	-15	-15	-15	-14	-13	-13	-10	-9	-9	-7	-8	-7	-7	-7	2	4	1	1	-3	-10	-13	-13	-18	-14	-8.5	4	-18	22	
10.....	-13	-13	-12	-11	-11	-10	-10	-8	-8	-7	-7	-7	-8	-8	-7	-8	-6	-5	-9	-11	-14	-16	-18	-20	-10.3	-4	-20	16	
11.....	-22	-23	-23	-23	-22	-19	-18	-17	-16	-15	-14	-13	-13	-12	-11	-11	-10	-10	-10	-11	-12	-13	-13	-14	-15.2	-9	-24	15	
12.....	-16	-17	-18	-16	-11	-11	-6	-5	-7	-5	-1	1	1	1	3	2	3	2	2	2	4	5	5	5	-3.1	5	-19	24	
13.....	4	5	5	5	5	4	9	6	7	8	8	7	7	7	10	8	7	2	2	2	2	3	5	5	5.5	12	2	10	17
14.....	6	5	2	3	4	0	1	0	0	2	6	7	10	9	9	9	8	4	1	2	-1	-2	-5	-5	-6	2.5	11	-6	17
15.....	-6	-8	-10	-13	-13	-13	-11	-9	-8	-5	-4	-2	-4	-4	-5	-6	-8	-9	-11	-11	-12	-15	-18	-20	-9.4	-2	-20	18	
16.....	-20	-18	-16	-14	-15	-12	-10	-10	-9	-8	-6	-7	-6	-7	-6	-7	-8	-10	-10	-10	-13	-15	-19	-18	-11.6	-6	-21	15	
17.....	-23	-21	-17	-18	-15	-10	-14	-8	-9	-10	-9	-7	-6	-5	-4	-4	-2	-2	-2	-2	-2	-1	0	1	-7.8	2	-23	25	
18.....	-1	0	0	0	1	0	3	1	0	0	1	0	-1	-1	0	-1	-2	-3	-5	-7	-8	-8	-11	-11	-2.2	3	-11	14	
19.....	-13	-11	-10	-12	-10	-9	-6	-4	-1	-1	0	1	2	2	2	3	3	4	4	4	3	3	7	7	-0.9	9	-14	23	
20.....	7	7	9	10	10	10	9	8	8	9	9	10	10	10	10	9	9	6	4	4	3	3	0	0	7.0	10	0	10	17
21.....	1	1	1	2	2	3	4	5	6	7	7	7	8	8	8	8	7	6	3	2	3	0	-5	-7	3.0	8	-9	17	
22.....	-11	-9	-5	-8	-3	-2	0	1	4	4	5	6	7	7	9	9	9	8	7	6	6	5	1	-3	2.2	9	-11	20	
23.....	-4	-2	1	1	0	1	1	1	1	2	3	4	5	5	5	5	2	2	0	1	-2	-3	-6	-8	0.2	6	-8	14	
24.....	-8	-9	-8	-6	-7	-6	-4	-1	-2	0	1	2	1	1	2	2	2	0	2	0	1	1	11	9	-0.7	12	-10	22	
25.....	9	10	10	12	14	11	15	17	16	17	18	20	22	21	21	20	19	19	19	19	19	19	19	19	16.9	22	9	13	
26.....	19	17	17	17	17	17	17	18	18	18	19	20	20	20	20	20	19	18	19	17	16	16	14	15	17.8	21	15	6	
27.....	12	16	16	16	14	15	16	16	17	19	21	23	20	21	20	18	16	16	15	14	14	14	14	13	15.5	23	12	9	
28.....	12	12	12	12	12	12	13	13	13	13	14	14	13	14	14	13	11	9	9	9	8	8	8	8	11.4	14	8	6	
29.....	9	9	9	9	9	10	11	11	12	13	14	12	10	10	7	6	6	7	8	8	8	7	7	7	9.1	14	6	8	
30.....	8	8	7	8	9	10	10	10	10	13	15	16	17	16	16	16	17	16	16	16	15	15	14	15	13.0	17	7	10	
Mean.....	-6.6	-6.2	-5.7	-5.4	-4.7	-3.9	-2.5	-1.8	-1.4	-0.4	0.6	1.4	1.6	2.0	2.1	1.5	0.7	-0.4	-1.0	-1.8	-2.6	-3.4	-4.1	-4.6	-2.0	4.6	-11.2	15.8	

DECEMBER 1934

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
<i>Day</i>																												
1.....	14	16	15	15	17	17	20	21	21	22	22	26	23	24	23	22	22	20	19	18	17	13	10	6	18.5	26	6	20
2.....	4	6	12	15	18	15	14	17	18	19	19	19	19	20	21	20	19	18	18	18	18	17	15	12	16.3	21	3	18
3.....	10	11	11	11	11	11	11	12	14	14	15	15	13	12	12	12	12	12	11	10	8	7	6	7	11.1	16	6	10
4.....	9	11	10	15	6	8	11	14	16	17	19	18	18	18	17	19	17	17	15	15	7	7	8	9	13.4	19	4	15
5.....	9	10	7	6	8	11	11	15	17	17	18	19	19	18	17	16	16	14	13	11	13	15	15	13	13.6	20	6	14
6.....	14	15	14	15	16	17	16	15	17	17	18	19	19	18	19	16	16	16	15	15	15	15	13	12	15.9	21	12	9
7.....	10	10	9	10	10	10	13	13	13	13	14	15	15	14	14	13	11	9	7	6	6	5	4	4	10.3	15	4	11
8.....	3	3	5	4	6	7	7	7	8	9	10	11	12	12	12	12	14	12	9	6	4	3	3	1	7.5	14	1	13
9.....	-1	1	3	3	3	7	5	6	7	7	9	13	15	11	10	7	8	8	6	7	8	8	9	10	7.1	15	-1	16
10.....	10	9	10	9	12	14	14	15	15	16	17	17	18	18	18	17	16	16	15	14	10	9	6	6	13.4	18	6	12
11.....	4	8	13	11	15	14	13	18	17	18	19	22	21	22	19	17	15	15	13	12	11	9	7	5	14.1	25	4	21
12.....	8	6	9	11	7	12	13	16	16	15	17	18	18	18	18	19	20	19	19	17	15	14	13	12	14.6	22	5	17
13.....	11	11	10	11	9	10	15	13	12	13	15	17	19	18	20	19	21	21	23	18	16	13	11	13	15.0	24	9	15
14.....	12	7	10	14	14	15	15	17	19	20	18	16	17	19	18	17	15	12	12	10	12	9	6	7	13.8	21	6	15
15.....	15	7	7	6	8	11	10	10	12	12	14	13	11	11	11	11	11	10	9	8	5	5	4	0	9.0	12	0	12
16.....	2	-1	1	6	2	4	8	12	12	12	12	16	19	21	20	21	18	19	18	18	19	22	23	21	13.5	25	-1	26
17.....	19	18	24	23	25	24	24	23	27	30	32	34	36	34	32	34	30	29	28	24	22	19	16	18	26.0	38	16	22
18.....	16	17	17	17	18	19	23	25	26	25	26	26	26	27	27	24	25	25	26	26	24	24	22	22	23.0	28	16	12
19.....	21	21	19	20	24	21	19	19	19	24	25	25	25	26	26	26	26	27	25	24	24	23	24	25	23.2	27	18	9
20.....	25	25	24	22	21	21	21	25	25	25	26	27	27	27	26	26	26	26	26	24	24	22	19	13	23.7	29	13	16
21.....	11	12	13	16	19	19	21	22	21	22	23	23	24	24	25	25	27	27	26	26	26	26	26	26	22.1	27	9	18
22.....	24	24	24	24	24	26	27	28	30	32	33	33	33	33	34	33	35	33	33	31	30	30	30	26	29.6	37	24	13
23.....	25	23	22	21	20	18	18	16	16	16	18	18	20	20	20	19	19	19	17	15	15	13	14	12	18.1	26	12	14
24.....	12	11	11	12	13	15	15	17	19	22	25	20	19	18	18	17	15	15	15	14	13	12	13	15	15.7	25	11	14
25.....	13	15	17	21	21	26	29	20	22	22	22	24	25	24	24	23	24	23	22	23	22	22	21	21	21.9	29	12	17
26.....	20	20	20	21	19	21	17	16	18	20	23	23	23	23	23	22	22	21	21	21	20	20	18	15	21.0	24	15	9
27.....	15	14	13	14	15	17	17	17	16	18	20	22	21	21	20	20	17	16	17	15	16	18	16	16	17.3	23	13	10
28.....	16	16	15	14	15	18	19	20	22	23	22	23	23	22	22	22	22	21	23	19	18	16	15	14	19.2	24	13	11
29.....	17	18	20	16	17	17	20	21	23	24	26	29	30	30	32	31	27	25	23	20	19	17	16	14	22.5	34	14	20
30.....	17	19	19	19	18	19	21	22	23	25	25	25	25	25	26	26	30	29	24	23	20	21	17	17	22.3	30	14	16
31.....	15	14	15	16	18	22	20	21	22	23	24	26	28	29	27	28	27	25	20	20	17	15	13	13	20.7	30	12	18
Mean..	12.6	12.8	13.5	14.1	14.5	15.8	16.5	17.4	18.5	19.4	20.3	21.0	21.3	21.2	21.0	20.5	20.1	19.2	18.2	17.0	15.9	15.2	14.0	13.1	17.2	24.0	9.1	14.9

TABLE 31.—Temperatures—hourly values, Little America—Continued

JANUARY 1935

[Fahrenheit degrees, 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	16	16	12	13	15	19	19	20	20	22	22	25	26	27	27	27	26	24	22	21	20	21	27	28	21.4	28	12	16
2	29	29	29	28	30	30	30	30	31	31	32	33	32	31	31	30	31	28	26	22	21	20	19	18	28.0	33	18	15
3	17	17	19	20	21	23	24	27	27	27	29	29	28	27	27	27	27	27	27	25	23	22	21	21	24.2	29	17	12
4	22	22	22	23	24	25	25	25	25	25	25	26	26	27	26	26	26	28	27	24	22	19	18	17	23.8	29	17	12
5	15	18	18	19	21	21	22	24	26	26	27	28	25	26	26	26	26	24	23	20	18	17	16	16	21.9	28	15	13
6	16	15	15	15	16	17	17	17	17	18	18	20	19	21	21	21	23	22	22	22	21	20	19	18	18.7	23	14	9
7	18	17	18	20	20	20	20	21	21	21	21	21	22	23	22	22	22	23	22	21	20	19	17	17	20.2	23	17	6
8	15	15	16	16	17	17	17	17	18	18	19	21	22	23	24	24	24	22	21	20	16	15	14	16	18.6	24	12	12
9	19	19	17	17	17	17	17	18	18	19	21	22	23	26	27	28	27	25	24	24	23	23	23	22	22.6	29	16	13
10	16	16	16	17	18	19	19	23	23	25	26	27	26	26	27	28	27	25	24	24	23	23	23	22	22.6	29	16	13
11	21	21	22	25	27	28	28	28	29	31	31	30	30	29	29	29	30	30	30	29	29	30	28	26	27.9	31	21	10
12	26	25	25	24	23	22	23	24	24	24	24	25	25	25	27	25	24	25	23	21	20	18	17	16	22.7	27	14	13
13	16	17	17	17	17	18	19	19	20	22	22	22	23	23	23	23	23	22	21	22	22	22	22	21	20.8	27	14	13
14	18	19	19	19	18	18	18	19	19	20	22	22	22	22	22	22	22	21	22	21	21	21	21	20	20.3	24	18	6
15	20	20	20	20	20	21	22	23	24	24	26	26	27	26	25	25	25	25	22	21	20	20	20	20	22.5	28	20	8
16	16	18	19	20	20	21	21	22	22	23	23	23	23	23	23	22	22	21	21	20	19	18	18	18	20.7	24	16	8
17	18	19	19	19	20	20	20	22	22	23	23	25	26	26	26	26	24	23	23	21	20	19	19	19	21.8	28	18	10
18	19	19	20	20	21	21	21	22	22	23	23	23	23	23	23	22	21	21	20	19	19	18	18	18	20.8	23	18	5
19	19	19	19	19	20	20	20	20	21	21	22	23	27	29	28	31	30	31	23	23	23	23	22	21	22.4	31	18	13
20	21	21	21	21	21	22	23	23	23	24	25	25	26	25	25	24	24	24	23	22	23	24	24	24	23.1	25	21	4
21	16	13	12	13	12	13	16	19	19	20	20	25	25	25	25	24	24	25	24	23	20	14	16	16	19.5	27	12	15
22	23	20	18	18	18	18	18	18	19	20	20	22	23	25	27	29	30	30	29	29	28	26	26	26	23.3	30	18	12
23	27	26	27	28	28	28	28	28	27	29	30	30	31	31	31	31	31	30	30	30	30	30	30	30	30.1	31	26	5
24	30	30	30	30	31	31	31	32	32	32	32	32	31	30	29	29	29	28	27	26	25	25	25	25	26.3	32	25	7
25	26	25	25	25	26	26	26	27	28	28	29	29	29	31	31	31	31	31	31	31	31	31	31	31	28.4	28	24	4
26	24	25	24	24	26	26	27	28	28	29	29	29	31	31	31	31	32	31	31	31	31	31	30	30	28.8	32	24	8
27	30	30	30	30	30	30	30	32	32	32	32	32	31	31	31	31	31	31	31	31	31	31	31	31	31.0	32	30	2
28	29	30	30	30	31	31	31	32	32	32	32	32	32	32	31	30	30	31	31	31	31	31	32	32	31.1	32	29	3
29	32	32	32	32	32	31	31	31	31	32	32	32	32	32	31	31	31	31	31	31	31	31	30	30	31.4	32	30	2
30	30	30	30	30	30	30	31	31	31	31	31	30	30	30	30	30	29	29	28	28	23	24	21	23	28.5	31	21	10
31	23	24	24	25	28	28	28	29	30	30	32	32	32	32	31	31	31	31	31	30	29	28	28	29	28.9	32	23	9
Mean	21.5	21.5	21.4	21.9	22.5	23.0	23.5	24.2	24.5	25.1	25.0	26.2	26.5	26.7	26.5	26.6	26.2	25.5	24.8	23.9	23.2	22.6	22.5	22.4	24.1	28.2	19.1	9.1

TABLE 32.—Temperatures—Hourly values, Bolling Advance Base

MARCH 1934

[Fahrenheit degrees, 180th meridian time]

Hour----	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
26																													
27	-42	-41	-41	-40	-39	-34	-38	-42	-43	-44	-44	-44	-44	-44	-46	-46	-47	-47	-47	-47	-48	-49	-50	-51	-44.1	-34	-51	17	
28	-51	-52	-53	-53	-54	-53	-53	-53	-51	-49	-48	-48	-48	-48	-51	-54	-52	-52	-52	-55	-55	-57	-58	-58	-56	-52.6	-47	-58	11
29	-53	-53	-53	-55	-56	-55	-56	-57	-56	-54	-54	-54	-54	-56	-57	-57	-58	-58	-57	-55	-55	-53	-52	-51	-49	-54.7	-49	-58	9
30	-49	-48	-47	-46	-44	-40	-40	-39	-41	-42	-42	-44	-44	-45	-47	-47	-47	-47	-46	-46	-46	-46	-45	-44	-44	-44.6	-39	-49	10
31	-46	-47	-48	-49	-50	-51	-51	-51	-52	-51	-52	-54	-52	-52	-51	-51	-50	-52	-52	-52	-52	-51	-50	-49	-49	-50.7	-45	-54	9

APRIL 1934

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range
Day																												
1	-48	-46	-45	-44	-43	-42	-41	-39	-37	-36	-33	-30	-30	-31	-32	-32	-31	-31	-32	-31	-29	-28	-25	-25	-35.2	-25	-50	25
2	-20	-15	-11	-12	-9	-6	-6	-5	-4	-6	-6	11	11	11	12	13	16	17	15	14	14	15	15	15	0	0	-41	41
3	-27	-26	-25	-20	-20	-19	-14	-12	-6	2	6	8	6	6	6	6	4	2	7	15	14	14	15	15	0.7	18	-30	48
4	14	16	19	21	20	19	20	17	16	12	9	8	6	6	6	6	4	2	7	15	14	15	3	2	10.2	21	-2	23
5	-3	-2	-1	-3	-3	-3	-9	-10	-6	-6	-6	-11	-15	-15	-14	-13	-15	-17	-15	-15	-18	-21	-23	-24	11.4	-1	-24	23
6	-25	-25	-27	-29	-30	-31	-31	-32	-34	-34	-35	-35	-37	-35	-34	-35	-34	-34	-32	-31	-27	-25	-22	-20	-30.6	-20	-37	17
7	-20	-24	-25	-26	-24	-22	-22	-19	-19	-21	-21	-22	-22	-20	-19	-19	-17	-15	-15	-17	-18	-18	-17	-16	-20.0	-15	-26	11
8	-17	-16	-17	-17	-13	-10	-10	-10	-9	-10	-11	-12	-15	-15	-16	-18	-22	-25	-27	-29	-30	-30	-29	-27	-18.0	-9	-30	21
9	-24	-24	-25	-25	-24	-23	-22	-21	-21	-21	-21	-20	-20	-19	-16	-15	-15	-16	-16	-16	-20	-21	-22	-24	-20.6	-15	-27	12
10	-28	-32	-34	-34	-35	-36	-36	-36	-36	-38	-39	-40	-40	-42	-42	-40	-40	-41	-40	-42	-45	-46	-45	-43	-38.8	-25	-46	21
11	-43	-43	-42	-42	-43	-41	-40	-39	-40	-47	-49	-50	-51	-50	-50	-50	-43	-43	-44	-43	-46	-46	-46	-46	-48.2	-45	-52	7
12	-45	-45	-46	-46	-46	-46	-46	-46	-46	-47	-49	-50	-51	-50	-50	-50	-55	-55	-56	-57	-57	-58	-57	-55	-51.0	-43	-58	15
13	-47	-47	-46	-43	-44	-44	-46	-48	-49	-50	-51	-51	-51	-53	-53	-54	-55	-56	-56	-57	-57	-56	-56	-55	-56.9	-55	-58	3
14	-56	-56	-57	-57	-57	-58	-58	-57	-56	-56	-57	-58	-58	-58	-58	-57	-56	-56	-58	-58	-56	-56	-56	-55	-56.9	-55	-58	3
15	-56	-56	-57	-57	-57	-58	-58	-57	-56	-56	-57	-58	-58	-58	-58	-57	-56	-56	-58	-58	-56	-56	-56	-55	-56.9	-55	-58	3
16	-51	-47	-44	-45	-45	-47	-48	-49	-50	-51	-52	-54	-55	-55	-55	-55	-55	-55	-57	-58	-58	-56	-56	-55	-56.9	-55	-58	3
17	-47	-46	-44	-41	-41	-42	-44	-45	-46	-49	-51	-54	-55	-55	-55	-55	-55	-55	-57	-58	-58	-56	-56	-55	-56.9	-55	-58	3
18	-62	-62	-62	-60	-62	-62	-62	-62	-60	-60	-60	-60	-60	-61	-60	-60	-58	-58	-59	-60	-60	-60	-58	-58	-60.2	-58	-62	4
19	-57	-56	-56	-55	-55	-56	-55	-51	-49	-49	-52	-51	-47	-42	-37	-33	-30	-29	-26	-25	-24	-24	-24	-22	-41.9	-22	-58	36
20	-21	-19	-18	-17	-16	-19	-24	-20	-16	-18	-19	-22	-25	-26	-28	-29	-31	-32	-32	-32	-32	-33	-34	-33	-34.8	-16	-34	18
21	-32	-31	-30	-30	-29	-30	-31	-31	-31	-32	-34	-36	-36	-36	-35	-35	-36	-37	-37	-38	-39	-39	-38	-42	-34.4	-29	-42	13
22	-43	-45	-46	-48	-47	-48	-48	-44	-42	-43	-46	-49	-49	-47	-45	-46	-48	-50	-49	-51	-53	-53	-53	-53	-47.8	-42	-54	12
23	-53	-53	-52	-52	-46	-39	-32	-28	-27	-21	-14	-13	-14	-12	-9	-6	-7	-9	-10	-11	-9	-9	-8	-7	-22.5	-6	-53	47
24	-8	-6	-4	-6	-4	-7	-9	-11	-12	-13	-14	-18	-19	-17	-17	-16	-17	-18	-19	-21	-23	-24	-26	-27	-14.8	0	-27	27
25	-27	-25	-24	-25	-24	-22	-20	-18	-13	-13	-12	-10	-10	-10	-9	-8	-9	-10	-10	-12	-17	-20	-19	-22	-16.2	-8	-27	19
26	-19	-22	-20	-19	-23	-26	-29	-31	-32	-34	-37	-39	-40	-40	-39	-38	-39	-40	-41	-42	-43	-46	-47	-48	-34.8	-19	-48	29
27	-49	-49	-49	-50	-51	-52	-52	-52	-52	-51	-50	-46	-43	-39	-32	-28	-29	-29	-29	-30	-32	-36	-33	-29	-41.7	-28	-52	24
28	-29	-28	-28	-29	-30	-28	-25	-21	-17	-16	-14	-12	-13	-10	-10	-8	-10	-15	-12	-17	-24	-23	-20	-26	-19.9	-8	-30	22
29	-25	-22	-23	-25	-28	-25	-25	-23	-24	-28	-27	-28	-27	-24	-22	-22	-20	-19	-18	-20	-21	-19	-23	-24	-23.4	-18	-28	10
30	-24	-26	-32	-33	-35	-36	-36	-33	-32	-31	-30	-32	-36	-41	-43	-44	-44	-44	-44	-45	-45	-45	-47	-46	-37.9	-23	-45	25
Mean....	-32.9	-32.7	-32.3	-32.1	-32.1	-32.0	-31.6	-30.4	-29.6	-29.9	-30.8	-31.1	-32.0	-31.8	-31.1	-30.8	-31.0	-31.8	-31.6	-32.7	-33.7	-34.0	-33.7	-33.2	-31.9	-21.7	-42.0	20.3

TABLE 32.—*Temperatures—Hourly values, Bolling Advance Base—Continued*

MAY 1934

[Fahrenheit degrees, 180th meridian time]

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1	-35	-34	-33	-34	-35	-43	-42	-40	-37	-33	-35	-37	-41	-43	-46	-47	-47	-45	-47	-46	-47	-49	-51	-52	-41.7	-33	-52	19	
2	-52	-52	-52	-50	-49	-49	-50	-49	-49	-49	-48	-48	-47	-48	-47	-45	-46	-48	-48	-49	-50	-50	-53	-53	-52	-40.3	-45	-54	9
3	-50	-52	-52	-51	-53	-52	-52	-51	-51	-51	-55	-55	-54	-53	-52	-53	-54	-55	-55	-56	-57	-58	-58	-58	-58	-53.8	-50	-58	8
4	-57	-57	-57	-57	-57	-58	-58	-59	-57	-55	-55	-56	-58	-58	-58	-56	-56	-56	-56	-56	-57	-58	-58	-57	-56.9	-54	-59	5	
5	-54	-50	-53	-53	-54	-53	-51	-48	-47	-46	-45	-47	-50	-51	-50	-49	-46	-43	-41	-41	-41	-41	-39	-39	-47.1	-38	-58	20	
6	-40	-35	-37	-34	-32	-30	-28	-27	-27	-28	-32	-37	-35	-34	-32	-31	-30	-31	-31	-32	-33	-36	-44	-46	-42.9	-32	-48	16	
7	-46	-45	-44	-44	-46	-45	-44	-44	-44	-45	-45	-46	-41	-44	-44	-46	-46	-46	-46	-47	-45	-43	-42	-45	-43.3	-37	-46	9	
8	-38	-38	-39	-38	-39	-41	-43	-40	-44	-45	-45	-46	-41	-44	-44	-46	-46	-45	-45	-45	-45	-46	-46	-45	-43.3	-37	-46	15	
9	-44	-45	-43	-44	-46	-47	-50	-50	-52	-51	-51	-52	-54	-54	-54	-53	-53	-56	-56	-56	-58	-58	-58	-56	-53.8	-58	5		
10	-56	-56	-57	-57	-56	-58	-57	-58	-56	-57	-58	-58	-58	-57	-57	-56	-56	-55	-55	-54	-54	-20	-21	-16	-53	-53	37		
11	-47	-41	-36	-32	-30	-34	-32	-29	-28	-27	-26	-25	-24	-23	-21	-18	-17	-17	-18	-17	-18	-20	-21	-16	-25.7	-16	-53	33	
12	-12	-11	-17	-16	-20	-26	-29	-34	-33	-36	-34	-35	-35	-33	-33	-37	-39	-40	-43	-43	-43	-43	-43	-41	-32.3	-10	-43	33	
13	-38	-35	-29	-20	-20	-19	-19	-19	-19	-18	-18	-21	-24	-25	-26	-24	-23	-31	-33	-33	-28	-28	-27	-27	-27	-25.0	-18	-40	22
14	-26	-26	-27	-27	-27	-27	-27	-28	-27	-28	-30	-33	-36	-37	-37	-36	-36	-37	-36	-36	-36	-34	-32	-28	-31.4	-26	-38	12	
15	-24	-24	-27	-31	-26	-30	-30	-34	-34	-36	-36	-37	-41	-43	-42	-41	-39	-43	-45	-46	-45	-42	-41	-39	-36.6	-24	-46	22	
16	-39	-39	-39	-37	-36	-38	-38	-38	-37	-33	-29	-26	-26	-27	-25	-23	-22	-22	-22	-22	-22	-21	-21	-21	-21	-29.4	-21	-39	18
17	-19	-19	-18	-20	-20	-20	-20	-20	-19	-20	-21	-21	-21	-20	-18	-17	-18	-18	-19	-19	-20	-21	-21	-21	-19.5	-17	-21	4	
18	-20	-20	-22	-26	-29	-31	-37	-43	-44	-47	-50	-53	-56	-57	-58	-58	-58	-59	-59	-59	-60	-62	-62	-61	-47.1	-19	-62	43	
19	-59	-60	-61	-61	-62	-62	-62	-64	-63	-64	-63	-63	-65	-66	-64	-64	-65	-66	-66	-66	-67	-68	-68	-72	-64.4	-59	-72	13	
20	-72	-71	-72	-71	-71	-70	-71	-71	-70	-70	-72	-72	-72	-72	-70	-68	-65	-64	-62	-66	-66	-69	-67	-67	-65.7	-45	-73	25	
21	-41	-44	-42	-41	-42	-41	-40	-39	-36	-31	-29	-30	-30	-30	-31	-33	-34	-35	-37	-49	-52	-52	-52	-49	-38.8	-27	-52	61	
22	-45	-39	-32	-28	-24	-21	-17	-15	-11	-7	-8	-10	-15	-16	-16	-15	-14	-14	-14	-10	-10	-12	-16	-14	-10.8	-5	-16	11	
23	-6	-6	-7	-6	-8	-7	-6	-2	-1	-1	0	2	2	0	1	5	3	0	2	9	14	16	16	16	10	0.2	18	-16	34
24	-15	-15	-16	-15	-13	-9	-8	-8	-7	-8	-8	-8	-10	-11	-11	-12	-11	-14	-14	-10	-10	-12	-16	-16	-14	-10.8	-5	-16	11
25	-6	-6	-7	-6	-8	-7	-6	-2	-1	-1	0	2	2	0	1	5	3	0	2	9	14	16	16	16	10	0.2	18	-16	34
26	-6	-3	-1	0	-5	-2	-4	-4	-4	-4	-6	-2	-3	-4	-6	-9	-12	-14	-19	-20	-18	-18	-20	-20	-8.6	0	-20	20	
27	-19	-19	-19	-20	-15	-9	-8	-7	-6	-3	-2	0	-4	-5	-4	-7	-5	-4	-3	-3	-2	0	0	0	-6.9	1	-20	21	
28	0	0	0	0	0	0	0	-2	-9	-14	-11	-11	-17	-21	-21	-19	-17	-16	-17	-19	-23	-19	-14	-15	-11.1	0	-23	23	
29	-18	-9	-9	-15	-17	-11	-12	-19	-13	-14	-15	-14	-12	-11	-10	-14	-20	-20	-15	-12	-12	-6	-2	-5	-12	-12.7	0	-22	21
30	-15	-16	-13	-13	-9	-7	-6	-1	-4	1	1	1	5	3	5	5	3	4	7	11	11	10	12	13	0.3	13	-16	29	
31	11	12	8	11	10	10	8	6	6	6	5	2	0	3	4	2	0	2	1	-6	-12	-7	-4	-3	2.9	12	-12	24	
Mean	-31.5	-30.5	-30.4	-29.7	-29.7	-29.8	-29.7	-29.9	-29.2	-29.0	-29.2	-29.4	-30.3	-30.6	-30.1	-30.1	-30.5	-31.0	-31.1	-31.1	-31.1	-31.5	-31.6	-31.7	-31.2	-30.4	-20.4	-41.2	20.8

JUNE 1934
[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	0	0	-3	-7	-10	-11	-11	-10	-9	-6	-4	-4	-5	-4	-5	-3	-1	0	2	5	4	-2	-2	1	-3.5	5	-12	17	
2.....	0	-3	0	3	5	3	4	5	3	3	-3	-4	-7	-11	-13	-16	-17	-19	-17	-12	-9	-7	0	2	-4.6	5	-19	24	
3.....	6	7	6	9	8	9	9	10	3	2	4	0	0	-3	-1	0	-1	1	3	1	3	10	12	16	4.6	16	-4	20	
4.....	17	17	18	19	12	13	16	12	13	12	10	9	10	8	15	11	7	4	0	4	9	10	11	12	11.2	19	0	19	
5.....	11	15	14	9	7	6	4	2	-1	2	2	-1	-5	-6	-4	-5	-6	-6	-6	-9	-10	-14	-13	-15	-1.2	16	-15	31	
6.....	-16	-15	-15	-15	-15	-16	-15	-16	-16	-16	-16	-17	-17	-20	-21	-21	-25	-25	-25	-23	-24	-23	-25	-21	-16.1	-15	-25	10	
7.....	-23	-23	-24	-25	-24	-28	-30	-35	-34	-35	-37	-39	-41	-43	-41	-42	-40	-42	-43	-44	-41	-39	-41	-40	-35.6	-20	-46	26	
8.....	-39	-36	-36	-39	-37	-30	-27	-27	-24	-23	-23	-20	-23	-22	-27	-29	-29	-16	-16	-17	-17	-15	-13	-10	-24.5	-10	-40	30	
9.....	-11	-10	-17	-20	-22	-24	-26	-28	-30	-31	-31	-28	-33	-33	-32	-33	-31	-33	-30	-32	-32	-32	-26	-2	-26.1	-2	-34	32	
10.....	-9	-15	-9	-9	-9	-12	-13	-12	-14	-20	-22	-21	-22	-18	-12	-9	-5	-3	1	4	0	-6	-3	-10	-10.3	4	-22	26	
11.....	-12	-14	-19	-11	-22	-25	-17	-14	-16	-17	-13	-14	-13	-10	-10	-9	-12	-15	-17	-22	-26	-24	-22	-21	-16.5	-8	-26	18	
12.....	-18	-16	-15	-20	-21	-22	-25	-26	-28	-31	-34	-33	-32	-31	-31	-31	-33	-35	-35	-35	-34	-36	-37	-34	-28.9	-14	-38	24	
13.....	-34	-31	-30	-29	-28	-27	-28	-26	-25	-27	-26	-26	-27	-29	-29	-29	-27	-28	-27	-26	-28	-28	-25	-24	-27.7	-24	-34	10	
14.....	-26	-27	-26	-26	-25	-25	-24	-23	-21	-20	-20	-18	-17	-15	-10	-5	-2	-1	-2	2	-1	-3	1	5	-13.7	6	-27	33	
15.....	4	-1	3	4	4	6	4	-1	-4	-6	-8	-12	-15	-14	-13	-12	-16	-17	-19	-21	-24	-20	-20	-21	-9.1	7	-24	31	
16.....	-22	-21	-18	-14	-14	-11	-7	-3	6	7	7	7	6	3	3	1	1	0	-1	-2	-5	-11	-12	-8	-4.5	8	-22	30	
17.....	-8	-8	-7	-6	-7	-7	-8	-9	-9	-11	-15	-26	-33	-34	-36	-39	-40	-43	-43	-42	-40	-40	-39	-39	-24.5	-6	-44	38	
18.....	-39	-39	-38	-41	-42	-41	-36	-34	-31	-27	-22	-20	-22	-26	-30	-34	-34	-36	-42	-44	-41	-37	-34	-33	-34.3	-19	-44	25	
19.....	-37	-38	-39	-38	-37	-33	-31	-32	-29	-28	-31	-33	-36	-37	-37	-35	-32	-29	-28	-27	-25	-24	-24	-22	-31.8	-22	-39	17	
20.....	-22	-24	-25	-21	-20	-19	-19	-18	-19	-21	-23	-21	-24	-24	-27	-27	-27	-28	-31	-32	-33	-33	-35	-32	-25.2	-18	-35	17	
21.....	-27	-25	-24	-24	-24	-25	-25	-25	-25	-25	-28	-32	-33	-34	-35	-35	-36	-39	-39	-40	-41	-41	-40	-40	-31.7	-24	-41	17	
22.....	-40	-41	-43	-43	-45	-46	-46	-47	-46	-46	-48	-48	-44	-47	-49	-50	-50	-48	-44	-49	-50	-49	-46	-45	-46.2	-40	-50	10	
23.....	-45	-43	-43	-44	-44	-42	-41	-42	-40	-37	-37	-39	-40	-42	-42	-42	-40	-36	-32	-31	-33	-35	-31	-28	-38.7	-28	-45	17	
24.....	-28	-29	-31	-33	-33	-35	-35	-37	-36	-29	-25	-25	-25	-27	-31	-31	-32	-33	-36	-38	-41	-41	-40	-38	-32.9	-24	-41	17	
25.....	-36	-36	-42	-36	-28	-22	-21	-26	-32	-31	-35	-32	-37	-40	-40	-42	-44	-43	-44	-44	-45	-46	-47	-45	-37.2	-21	-47	26	
26.....	-46	-43	-45	-47	-47	-46	-47	-47	-44	-42	-43	-35	-30	-26	-34	-37	-35	-36	-37	-38	-38	-38	-38	-37	-39.8	-25	-47	22	
27.....	-39	-39	-43	-46	-45	-49	-48	-50	-48	-49	-49	-50	-50	-51	-52	-54	-54	-54	-55	-55	-56	-58	-58	-56	-50.3	-37	-58	21	
28.....	-54	-54	-54	-55	-55	-56	-56	-57	-57	-58	-58	-56	-57	-58	-59	-58	-58	-58	-58	-58	-58	-58	-58	-58	-51	-54.9	-50	9	
29.....	-50	-51	-54	-54	-52	-47	-43	-42	-38	-35	-33	-33	-35	-44	-48	-51	-51	-51	-52	-53	-52	-51	-50	-47	-46.5	-33	-55	22	
30.....	-47	-45	-42	-45	-46	-44	-43	-44	-43	-41	-43	-43	-43	-46	-48	-48	-45	-45	-44	-46	-50	-52	-55	-55	-46.0	-41	-56	15	
Mean....	-23.0	-22.9	-23.4	-23.5	-23.9	-23.5	-22.8	-23.4	-23.1	-22.8	-23.4	-23.8	-25.2	-26.2	-26.6	-27.2	-27.1	-26.9	-26.9	-27.2	-27.7	-27.8	-27.8	-26.8	-24.6	-25.0	-13.1	-35.0	21.9

TABLE 32.—*Temperatures—Hourly values, Bolling Advance Base—Continued*

JULY 1934

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	-38	-57	-57	-59	-57	-60	-60	-60	-61	-63	-61	-60	-64	-65	-65	-65	-65	-63	-63	-63	-61	-57	-56	-55	-60.4	-55	-65	10	
2.....	-54	-54	-53	-54	-56	-57	-52	-51	-51	-55	-57	-57	-59	-59	-62	-61	-60	-60	-57	-53	-50	-49	-48	-50	-52	-54.2	-48	-61	13
3.....	-51	-49	-50	-51	-55	-57	-58	-60	-61	-62	-61	-61	-59	-59	-62	-61	-60	-60	-59	-56	-56	-51	-47	-45	-43	-55.8	-43	-62	19
4.....	-45	-42	-43	-45	-45	-44	-43	-40	-41	-43	-45	-44	-45	-47	-48	-49	-49	-49	-43	-39	-39	-42	-42	-40	-43.7	-39	-50	11	
5.....	-39	-41	-38	-37	-37	-37	-37	-36	-31	-29	-26	-22	-22	-21	-21	-21	-21	-21	-22	-24	-28	-32	-36	-40	-30.0	-20	-41	21	
6.....	-41	-43	-46	-50	-52	-54	-53	-55	-55	-56	-56	-56	-57	-57	-58	-60	-59	-59	-59	-60	-61	-61	-60	-58	-55.1	-40	-61	21	
7.....	-58	-55	-50	-49	-51	-52	-50	-52	-54	-56	-56	-54	-57	-57	-57	-59	-61	-59	-61	-62	-62	-62	-61	-60	-56.3	-48	-62	14	
8.....	-60	-60	-61	-63	-63	-62	-62	-61	-61	-62	-62	-60	-62	-64	-64	-64	-64	-64	-62	-63	-62	-61	-62	-61	-60	-61.8	-59	-64	5
9.....	-59	-58	-56	-54	-50	-47	-46	-44	-39	-42	-43	-44	-45	-45	-48	-50	-52	-52	-52	-52	-53	-54	-54	-54	-53	-49.6	-39	-60	21
10.....	-52	-52	-52	-53	-53	-53	-53	-52	-51	-51	-51	-51	-50	-50	-53	-56	-58	-57	-56	-56	-56	-56	-57	-57	-54	-53.5	-50	-58	8
11.....	-55	-54	-52	-54	-53	-53	-53	-53	-53	-55	-54	-54	-53	-52	-55	-57	-57	-56	-56	-58	-60	-62	-62	-63	-63	-55.6	-52	-63	11
12.....	-61	-63	-63	-61	-62	-63	-63	-61	-61	-61	-61	-62	-64	-63	-62	-61	-60	-57	-58	-58	-60	-63	-63	-63	-63	-61.4	-57	-64	7
13.....	-70	-70	-69	-68	-66	-66	-66	-66	-66	-65	-64	-65	-64	-64	-65	-67	-66	-68	-66	-68	-69	-69	-71	-70	-64.4	-59	-71	12	
14.....	-63	-64	-65	-66	-68	-68	-68	-68	-67	-66	-64	-64	-64	-63	-64	-63	-61	-60	-57	-55	-56	-54	-56	-52	-62.3	-52	-68	16	
15.....	-51	-49	-48	-46	-47	-46	-48	-48	-50	-49	-48	-48	-47	-50	-53	-54	-52	-51	-49	-48	-51	-52	-51	-48	-49.4	-46	-54	8	
16.....	-45	-44	-43	-42	-41	-41	-41	-42	-43	-42	-47	-51	-55	-57	-57	-58	-56	-58	-57	-48	-39	-34	-38	-38	-38	-46.5	-33	-58	25
17.....	-44	-44	-43	-42	-41	-41	-41	-42	-43	-42	-47	-51	-55	-57	-57	-56	-56	-58	-57	-48	-39	-41	-42	-43	-42	-34.9	-28	-43	15
18.....	-34	-29	-33	-31	-34	-32	-32	-30	-30	-31	-32	-32	-30	-32	-34	-37	-38	-40	-40	-40	-39	-41	-42	-43	-42	-34.2	-23	-44	21
19.....	-44	-43	-42	-41	-41	-39	-40	-39	-38	-36	-32	-32	-30	-30	-31	-31	-30	-29	-31	-29	-30	-30	-32	-27	-23	-34.2	-22	-44	21
20.....	-23	-27	-32	-36	-45	-52	-55	-56	-59	-60	-61	-61	-62	-61	-62	-62	-62	-64	-64	-65	-68	-69	-70	-75	-56.2	-22	-75	53	
21.....	-76	-77	-78	-78	-78	-78	-78	-78	-78	-77	-77	-77	-77	-77	-76	-76	-75	-75	-76	-78	-77	-78	-78	-78	-77.1	-75	-78	3	
22.....	-78	-78	-77	-78	-77	-76	-72	-69	-68	-66	-67	-68	-70	-69	-68	-66	-64	-64	-65	-65	-67	-68	-70	-71	-70.0	-64	-78	14	
23.....	-72	-72	-70	-71	-71	-71	-72	-73	-73	-73	-72	-72	-68	-67	-68	-68	-68	-68	-68	-68	-68	-68	-68	-67	-66.9	-53	-73	20	
24.....	-67	-65	-62	-59	-58	-58	-59	-60	-60	-59	-58	-56	-56	-55	-55	-55	-52	-48	-47	-46	-43	-42	-41	-39	-39	-54.2	-39	-67	28
25.....	-38	-36	-34	-34	-35	-35	-35	-36	-36	-36	-35	-35	-36	-34	-35	-35	-34	-34	-33	-32	-32	-33	-32	-31	-34.4	-31	-39	8	
26.....	-30	-31	-31	-31	-30	-29	-28	-28	-25	-23	-21	-19	-17	-17	-18	-18	-16	-14	-14	-14	-13	-13	-12	-11	-21.0	0	-32	21	
27.....	-9	-8	-4	-2	-1	0	-1	-2	-3	-3	-3	-6	-7	-9	-11	-12	-14	-15	-15	-18	-22	-24	-26	-29	-10.2	-10.2	0	-29	20
28.....	-32	-34	-34	-35	-36	-37	-37	-38	-40	-43	-45	-46	-46	-49	-52	-53	-53	-54	-54	-55	-54	-56	-57	-57	-45.7	-29	-57	28	
29.....	-58	-59	-60	-59	-59	-56	-55	-54	-55	-54	-54	-54	-54	-56	-57	-59	-58	-57	-58	-57	-61	-64	-61	-60	-57.5	-54	-64	10	
30.....	-60	-60	-58	-57	-55	-55	-55	-55	-55	-56	-56	-56	-54	-56	-59	-59	-57	-59	-59	-60	-59	-63	-64	-61	-57.8	-54	-64	10	
31.....	-61	-60	-59	-59	-60	-61	-63	-60	-57	-58	-59	-61	-62	-64	-64	-63	-64	-62	-62	-59	-62	-46	-44	-42	-43	-57.6	-42	-64	22
Mean.....	-51.8	-51.4	-50.9	-51.1	-51.5	-51.6	-51.5	-51.3	-51.0	-51.2	-51.4	-51.5	-50.9	-61.8	-52.9	-53.4	-52.8	-52.4	-51.7	-51.1	-51.2	-51.8	-51.9	-51.6	-51.7	-51.7	-42.7	-59.4	16.7

AUGUST 1934

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range		
Day																													
1.....	-46	-48	-49	-51	-52	-51	-48	-47	-47	-47	-46	-47	-47	-46	-45	-44	-40	-38	-36	-35	-34	-35	-34	-34	-43.6	-34	-52	18	
2.....	-29	-27	-26	-27	-27	-32	-33	-34	-32	-32	-27	-25	-24	-25	-21	-18	-16	-16	-16	-16	-14	-4	-2	-3	-21.9	-1	-34	33	
3.....	-1	4	3	1	0	-5	-9	-8	-12	-15	-18	-17	-16	-17	-17	-18	-19	-23	-28	-31	-32	-39	-37	-35	-16.2	4	-39	43	
4.....	-36	-39	-38	-34	-33	-32	-31	-32	-32	-32	-32	-32	-34	-36	-42	-45	-46	-46	-46	-46	-46	-44	-38	-35	-37.7	-31	-47	16	
5.....	-32	-30	-22	-16	-19	-14	-16	-17	-18	-25	-23	-20	-25	-24	-27	-26	-25	-28	-30	-31	-31	-33	-35	-31	-24.9	-14	-35	21	
6.....	-31	-32	-32	-31	-30	-32	-34	-33	-34	-34	-35	-37	-40	-42	-44	-45	-43	-44	-46	-47	-50	-53	-54	-55	-39.9	-29	-55	26	
7.....	-56	-57	-57	-57	-56	-57	-56	-54	-51	-41	-41	-41	-42	-46	-46	-46	-44	-45	-46	-50	-54	-55	-55	-55	-50.4	-41	-57	16	
8.....	-55	-54	-55	-53	-52	-48	-43	-41	-44	-41	-41	-40	-35	-35	-38	-37	-41	-38	-41	-40	-39	-39	-38	-40	-42.8	-34	-55	21	
9.....	-40	-38	-35	-35	-34	-34	-34	-35	-29	-26	-22	-19	-16	-16	-17	-18	-20	-23	-29	-34	-36	-36	-35	-35	-29.0	-15	-40	25	
10.....	-25	-21	-18	-15	-16	-23	-29	-31	-31	-31	-33	-33	-34	-37	-39	-40	-41	-41	-41	-34	-34	-36	-38	-38	-31.6	-15	-42	27	
11.....	-39	-39	-38	-36	-38	-38	-38	-39	-40	-42	-41	-40	-42	-43	-43	-45	-44	-44	-46	-48	-50	-53	-54	-57	-43.2	-36	-57	21	
12.....	-57	-56	-56	-56	-57	-56	-56	-56	-57	-58	-59	-60	-62	-62	-62	-61	-61	-60	-59	-58	-60	-60	-60	-60	-56	-56	-62	6	
13.....	-55	-50	-45	-37	-41	-42	-44	-48	-44	-41	-52	-50	-49	-52	-45	-39	-35	-32	-32	-32	-34	-37	-41	-43	-43.2	-32	-57	25	
14.....	-44	-47	-50	-52	-50	-50	-48	-44	-41	-39	-39	-40	-41	-41	-39	-39	-40	-42	-45	-46	-51	-57	-61	-61	-46.1	-39	-61	22	
15.....	-62	-62	-63	-64	-64	-66	-66	-67	-67	-66	-66	-67	-66	-66	-66	-66	-62	-61	-60	-59	-57	-55	-49	-44	-62.0	-44	-67	23	
16.....	-28	-28	-30	-29	-26	-27	-26	-25	-24	-23	-24	-24	-25	-25	-24	-25	-28	-29	-28	-27	-29	-31	-30	-29	-31.3	-26	-40	14	
17.....	-46	-50	-51	-46	-40	-37	-36	-36	-38	-42	-49	-53	-55	-56	-56	-56	-53	-50	-48	-52	-51	-45	-43	-40	-47.0	-36	-56	20	
18.....	-44	-44	-48	-48	-47	-47	-47	-48	-49	-51	-55	-61	-72	-72	-71	-70	-72	-70	-70	-66	-64	-64	-60	-59	-71.8	-59	-77	18	
19.....	-50	-50	-48	-48	-47	-47	-47	-48	-49	-51	-55	-61	-72	-72	-71	-70	-72	-70	-70	-66	-64	-64	-60	-59	-71.8	-59	-77	18	
20.....	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-66	-69	-70	-69	-71.8	-59	-77	24	
21.....	-76	-75	-75	-76	-75	-75	-77	-77	-76	-75	-75	-74	-75	-74	-74	-72	-69	-71	-68	-66	-64	-64	-60	-59	-71.8	-59	-77	24	
22.....	-57	-57	-57	-53	-48	-46	-50	-53	-53	-52	-52	-51	-50	-52	-53	-55	-57	-57	-57	-59	-66	-69	-70	-69	-71.8	-59	-77	24	
23.....	-69	-69	-66	-64	-59	-57	-58	-56	-58	-56	-56	-58	-61	-63	-64	-66	-66	-65	-66	-70	-72	-74	-76	-75	-64.4	-56	-76	20	
24.....	-74	-74	-73	-74	-74	-75	-75	-76	-74	-73	-73	-73	-75	-76	-75	-76	-76	-76	-75	-76	-76	-76	-76	-75	-64.4	-56	-76	20	
25.....	-70	-61	-58	-53	-49	-50	-49	-48	-48	-49	-49	-51	-54	-57	-58	-59	-62	-65	-68	-68	-63	-58	-53	-56.8	-48	-75	27		
26.....	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	27	
27.....	-63	-64	-66	-67	-69	-71	-71	-70	-70	-69	-70	-70	-70	-70	-72	-72	-72	-69	-68	-65	-62	-59	-50	-44	-39	-72	33		
28.....	-26	-21	-18	-17	-17	-16	-16	-17	-17	-18	-19	-20	-21	-24	-24	-25	-26	-31	-30	-30	-30	-28	-25	-23	-43	-23.6	-16	-43	27
29.....	-46	-44	-44	-44	-42	-44	-48	-49	-47	-44	-44	-40	-48	-50	-53	-52	-54	-46	-50	-53	-56	-59	-61	-61	-49.1	-39	-61	22	
30.....	-61	-61	-59	-58	-58	-58	-58	-59	-62	-64	-67	-68	-68	-66	-66	-65	-67	-71	-68	-68	-71	-73	-74	-74	-65.2	-58	-74	16	
31.....	-75	-76	-76	-74	-74	-73	-75	-75	-74	-73	-71	-71	-69	-69	-70	-70	-72	-72	-72	-70	-68	-66	-61	-71.2	-61	-77	16		
Mean..	-47.8	-46.9	-45.6	-44.4	-43.9	-44.3	-44.7	-44.7	-44.7	-44.5	-44.5	-45.1	-46.4	-47.4	-47.6	-47.9	-48.0	-48.3	-49.0	-49.1	-49.7	-50.1	-49.7	-49.3	-46.8	-35.5	-57.8	22.3	

TABLE 32.—*Temperatures—Hourly values, Bolling Advance Base—Continued*

SEPTEMBER 1934

[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	-55	-51	-49	-48	-47	-46	-45	-46	-46	-45	-43	-43	-41	-41	-41	-43	-45	-46	-46	-49	-50	-50	-51	-50	-46.5	-41	-61	20	
2.....	-48	-46	-43	-50	-51	-50	-49	-45	-39	-40	-30	-27	-28	-38	-42	-44	-43	-43	-44	-43	-39	-34	-30	-33	-33	-40.6	-27	-53	26
3.....	-34	-35	-35	-37	-39	-38	-41	-44	-45	-45	-40	-47	-47	-49	-49	-51	-52	-52	-53	-53	-53	-54	-54	-53	-46.3	-33	-54	21	
4.....	-52	-51	-50	-49	-48	-49	-48	-48	-48	-47	-47	-43	-40	-32	-23	-24	-22	-17	-12	-11	-12	-11	-6	-5	-33.1	-5	-53	48	
5.....	-5	-6	-7	-7	-8	-6	-7	-10	-11	-11	-14	-17	-19	-19	-20	-21	-22	-23	-25	-21	-21	-23	-23	-25	-15.4	-5	-25	20	
6.....	-23	-25	-26	-26	-24	-23	-22	-23	-24	-26	-28	-32	-36	-38	-40	-38	-37	-38	-45	-48	-50	-45	-45	-45	-33.6	-22	-50	28	
7.....	-46	-47	-48	-45	-45	-47	-54	-58	-60	-60	-60	-60	-64	-64	-65	-66	-66	-66	-65	-65	-68	-69	-70	-70	-59.4	-45	-60	25	
8.....	-69	-68	-68	-68	-67	-66	-63	-64	-60	-58	-57	-56	-59	-62	-63	-64	-64	-66	-66	-67	-68	-69	-71	-72	-64.8	-56	-72	16	
9.....	-72	-72	-70	-70	-70	-71	-69	-69	-68	-67	-65	-65	-64	-63	-61	-59	-56	-56	-58	-58	-59	-60	-62	-62	-55.0	-47	-62	15	
10.....	-55	-50	-48	-47	-48	-49	-52	-53	-55	-54	-55	-55	-56	-56	-56	-56	-56	-57	-58	-58	-58	-59	-60	-62	-55.0	-47	-62	15	
11.....	-63	-62	-63	-62	-62	-63	-63	-63	-62	-61	-60	-55	-59	-61	-62	-64	-65	-66	-66	-65	-66	-67	-68	-69	-69	-63.2	-55	-69	14
12.....	-61	-61	-62	-62	-63	-64	-65	-64	-62	-61	-60	-55	-59	-61	-62	-64	-65	-66	-66	-65	-66	-67	-68	-69	-69	-63.2	-55	-69	14
13.....	-68	-68	-69	-69	-69	-68	-69	-69	-67	-64	-63	-64	-65	-67	-69	-69	-69	-70	-70	-70	-70	-70	-71	-71	-71	-68.3	-63	-71	8
14.....	-71	-70	-69	-69	-68	-68	-68	-67	-66	-64	-65	-62	-60	-68	-69	-70	-70	-69	-68	-69	-69	-69	-70	-67	-67	-68.0	-62	-71	9
15.....	-66	-65	-64	-64	-64	-64	-65	-63	-58	-54	-52	-50	-47	-48	-50	-50	-47	-44	-43	-44	-45	-45	-45	-45	-45	-53.5	-43	-67	24
16.....	-44	-48	-51	-55	-57	-56	-55	-52	-49	-50	-51	-51	-52	-54	-56	-59	-61	-62	-63	-64	-65	-67	-68	-68	-68	-56.6	-42	-68	26
17.....	-68	-66	-65	-64	-64	-64	-63	-62	-58	-57	-55	-55	-58	-60	-60	-61	-61	-61	-60	-60	-58	-56	-57	-56	-53	-60.0	-53	-68	15
18.....	-50	-48	-45	-46	-49	-49	-53	-60	-48	-48	-49	-47	-46	-47	-51	-54	-56	-55	-56	-56	-49	-42	-39	-37	-37	-48.0	-37	-56	19
19.....	-37	-35	-32	-30	-27	-27	-27	-27	-26	-26	-26	-23	-23	-23	-23	-23	-23	-24	-24	-24	-23	-24	-25	-28	-34	-26.6	-22	-37	15
20.....	-34	-32	-32	-32	-32	-32	-35	-35	-36	-34	-34	-34	-34	-34	-34	-32	-34	-33	-33	-33	-31	-31	-31	-29	-32.8	-29	-36	7	
21.....	-27	-26	-26	-26	-26	-26	-24	-22	-19	-17	-16	-16	-16	-15	-16	-21	-25	-26	-28	-30	-31	-32	-34	-34	-24.1	-34	-34	19	
22.....	-34	-33	-34	-34	-34	-35	-35	-34	-32	-31	-30	-31	-34	-34	-35	-36	-40	-40	-40	-40	-40	-40	-40	-40	-31.1	-13	-41	28	
23.....	-12	-12	-14	-14	-15	-16	-17	-17	-20	-22	-23	-19	-17	-13	-10	-8	-5	-5	-5	-6	-8	-13	-20	-23	-14.2	-5	-23	18	
24.....	-22	-22	-23	-23	-21	-21	-20	-18	-16	-15	-15	-14	-18	-23	-29	-30	-31	-32	-32	-33	-35	-37	-37	-37	-37	-35.2	-14	-38	24
25.....	-37	-36	-36	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38	-26.4	-20	-38	18
26.....	-40	-42	-43	-43	-45	-45	-44	-43	-43	-43	-43	-43	-43	-43	-43	-43	-43	-43	-43	-43	-43	-43	-43	-43	-42.0	-33	-49	16	
27.....	-42	-38	-36	-32	-31	-31	-32	-32	-29	-27	-26	-26	-29	-30	-33	-36	-36	-33	-33	-29	-27	-29	-28	-29	-31.2	-25	-47	22	
28.....	-26	-25	-28	-31	-33	-34	-35	-35	-34	-32	-31	-30	-29	-28	-29	-30	-32	-32	-31	-33	-33	-37	-39	-38	-34	-31.9	-25	-39	14
29.....	-31	-30	-29	-28	-28	-31	-35	-36	-36	-36	-34	-35	-36	-37	-37	-37	-41	-44	-47	-50	-52	-52	-52	-52	-39.2	-28	-52	24	
30.....	-49	-47	-43	-38	-32	-27	-21	-17	-16	-12	-5	-1	-1	0	-1	-1	-3	-4	-16	-28	-35	-39	-37	-35	-22.6	0	-52	52	
Mean....	44.7	-43.9	-43.7	-43.4	-43.2	-43.1	-43.3	-42.9	-41.6	-40.6	-39.7	-38.0	-39.9	-40.6	-41.3	-42.4	-42.9	-43.1	-43.4	-43.4	-43.8	-44.3	-45.1	-44.8	-42.7	-32.2	-53.0	20.8	

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[Fahrenheit degrees, 180th meridian time]

Hour....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	Max.	Min.	Range	
Day																													
1.....	-32	-35	-35	-36	-36	-38	-37	-38	-37	-38	-37	-37	-39	-40	-39	-41	-44	-45	-47	-49	-49	-50	-50	-50	-40.8	-32	-50	18	
2.....	-49	-46	-44	-43	-43	-43	-42	-40	-38	-36	-36	-36	-35	-34	-30	-35	-25	-25	-25	-24	-24	-24	-24	-24	-24	-34.5	-24	-50	26
3.....	-25	-25	-27	-24	-23	-22	-22	-23	-25	-25	-24	-25	-26	-26	-26	-26	-26	-27	-29	-31	-31	-31	-31	-31	-31	-26.3	-22	-31	9
4.....	-31	-29	-27	-27	-25	-24	-23	-22	-22	-21	-20	-19	-19	-19	-18	-18	-17	-16	-17	-17	-16	-16	-16	-16	-16	-20.7	-16	-31	15
5.....	-16	-16	-17	-17	-18	-18	-19	-19	-18	-17	-16	-16	-16	-16	-14	-10	-8	-5	-3	0	1	7	11	14	-10.2	-14	-19	33	
6.....	14	12	9	4	0	4	8	1	-2	-6	-8	-11	-16	-19	-20	-21	-21	-21	-20	-19	-19	-16	-12	-11	-9	-7.5	-14	-21	35
7.....	-8	-10	-10	-10	-8	-6	-5	-4	-4	-4	-3	-2	-5	-7	-8	-9	-9	-8	-10	-11	-12	-14	-16	-16	-8.3	-2	-16	14	
8.....	-14	-12	-11	-9	-6	-4	-1	2	3	5	5	7	9	9	9	7	6	4	4	6	7	6	6	6	6	1.8	9	-16	25
9.....	7	7	6	1	2	4	5	6	6	4	4	3	4	3	3	1	0	0	1	0	-1	-1	-2	-2	2.5	7	-2	9	
10.....	-3	-4	-3	-3	-3	-3	-2	-1	0	0	1	1	1	1	-3	-5	-5	-6	-4	-3	-3	-3	-3	-3	-2	-2.4	1	-6	7
11.....	-1	-2	-3	-5	-5	-4	-4	-3	-3	-3	-3	-2	-3	-5	-8	-10	-12	-14	-15	-18	-21	-19	-20	-22	-8.5	-1	-22	21	
Mean....	-14.4	-14.5	-14.7	-15.4	-15.0	-14.0	-12.9	-12.8	-12.7	-12.8	-12.5	-12.5	-13.2	-14.1	-14.0	-15.5	-14.7	-14.8	-15.0	-15.1	-15.0	-14.3	-14.2	-13.9	-14.1	-4.7	-24.0	19.3	

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America

JANUARY 1920

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time. Directions in parentheses obtained by interpolation]

Hour.....	0-1		1-2		2-3		3-4		4-5		5-6		6-7		7-8		8-9		9-10		10-11		11-12		12-13	
Day.....	SW	5	(SW)	5	(SW)	5	(SW)	5	(SW)	5	(SW)	5	(SW)	5	SW	5	(SW)	4	(SW)	5	(SW)	5	SW	5	W	6
1.....	(S)	9	(S)	8	(S)	5	(S)	2	(S)	3	S	3	S	2	S	2	(S)	3	(S)	3	(S)	3	(S)	4	(S)	5
2.....	(W)	3	(W)	4	(NW)	3	(NW)	4	(N)	5	(NE)	5	(NE)	5	NE	5	(NE)	5	(NE)	5	(E)	6	E	6	E	10
3.....	(E)	13	(SE)	12	(SE)	11	(SE)	13	(SE)	12	SE	15	(SE)	12	E	9	E	12	E	12	E	12	E	12	E	13
4.....	(SE)	12	(SE)	9	(SE)	9	(SE)	8	(SE)	7	SE	6	(SE)	8	SE	9	(SE)	9	(SE)	9	(SE)	9	SE	10	(SE)	8
5.....	(NE)	5	(N)	7	(N)	9	N	10	(N)	10	(N)	9	(NE)	9	NE	10	(NE)	11	(NE)	12	(NE)	14	(NE)	13	(NE)	15
6.....	(W)	7	(W)	6	(W)	5	(W)	4	(W)	4	W	3	(NW)	3	N	3	(N)	3	(N)	3	(NE)	4	(NE)	4	(E)	2
7.....	(S)	17	(SW)	19	(SW)	18	(SW)	19	(SW)	19	SW	18	(SW)	20	SW	18	(SW)	16	S	17	(S)	15	(S)	18	(S)	15
8.....		2		5		7		7		8		9		10	N	11	(N)	13	NE	14	(NE)	14	(NE)	15	(N)	15
9.....	(E)	12	(E)	12	(E)	11	(E)	13	E	17	(E)	16	(SE)	22	SE	22	(SE)	22	(SE)	24	(SE)	25	(SE)	26	SE	27
10.....	SW	14	SW	15	(SW)	16	SW	18	(SW)	17	SW	16	(SW)	18	SW	21	SW	21	(SW)	23	W	22	(W)	21	(SW)	19
11.....	(W)	6	(W)	6	(SW)	6	(SW)	4	(SW)	3	(S)	4	(S)	7	S	4	(S)	5	(SE)	3	(SE)	4	(E)	4	(NE)	6
12.....	(N)	10	N	10	(N)	9	(N)	9	(N)	9	(N)	10	N	9	(N)	9	(N)	9	N	8	(N)	6	(NE)	4	(E)	7
13.....	(E)	8	(E)	7	(E)	8	(E)	9	(E)	8	(E)	8	(E)	6	E	7	E	9	(E)	9	(E)	6	(E)	7	(E)	5
14.....	(SE)	7	(SE)	6	(SE)	11	(SE)	5	(SE)	3	SE	8	(SE)	10	SE	11	(SE)	12	SE	12	(SE)	11	(E)	10	E	9
15.....	(S)	7	(S)	7	(S)	8	(S)	8	(S)	6	S	6	(S)	7	SE	9	S	9	(S)	9	(S)	10	(S)	10	(S)	9
16.....	(S)	9	(S)	8	(S)	9	(S)	9	(S)	8	S	8	(S)	9	S	9	(S)	8	(S)	6	(S)	9	(S)	8	(S)	9
17.....	(S)	9	(S)	11	(S)	12	(S)	11	(S)	13	(S)	13	(S)	12	S	14	(S)	14	SW	15	(SW)	17	(SW)	18	(S)	21
18.....	(W)	13	(SW)	13	(SW)	8	(S)	12	(S)	13	S	9	(S)	10	S	9	(S)	10	(S)	11	(S)	12	(S)	12	(S)	11
19.....	(S)	14	(S)	18	(S)	16	(S)	17	(S)	20	S	21	(S)	22	S	21	(S)	20	(S)	17	(S)	18	(S)	18	(S)	16
20.....	(SE)	12	(E)	12	(E)	11	(E)	10	(E)	10	E	9	(E)	10	E	11	(E)	11	(E)	10	(E)	10	(E)	10	(E)	9
21.....	(E)	15	(E)	14	(E)	12	(E)	10	(E)	4	(E)	4	(E)	8	E	8	SE	6	(SE)	5	(SE)	2	(S)	2	(S)	3
22.....	(SE)	2	(SE)	3	(S)	4	(S)	5	(SW)	5	(SW)	4	(SW)	8	SW	8	(SW)	9	(SW)	9	(SW)	12	(S)	12	(S)	13
23.....	(SW)	15	(SW)	16	(SW)	15	(SW)	12	(W)	12	(W)	9	(W)	6	W	6	SW	4	(SW)	2	W	5	W	7	(W)	12
24.....		5		3		4		8		9		11		7	E	4	(E)	2	(E)	5	(E)	8	(E)	8	(E)	9
25.....	(E)	7	(NE)	8	(NE)	10	(NE)	10	(NE)	11	NE	12	(NE)	11	NE	9	(NE)	8	(NE)	8	NE	5	(NE)	4	(N)	6
26.....	(SW)	12	(SW)	12	(SW)	14	SW	10	(SW)	9	SW	9	(SW)	9	SW	10	(SW)	8	(SW)	8	(SW)	12	(SW)	13	(SW)	12
27.....	(SW)	3	(SW)	5	(SW)	5	(W)	6	(W)	5	(W)	6	(W)	3	W	3		4		4		4		2		4
28.....	NE	14	(NE)	14	(NE)	12	NE	8	(NE)	4	(NE)	8	(NE)	9	NE	5	(NE)	6	(E)	6	(E)	6	(SE)	9	(S)	10
29.....	(SW)	12	(SW)	12	(SW)	10	(SW)	9	(SW)	8	SW	6	(SW)	5	S	5	(S)	5	(S)	4	(S)	5	(S)	4	(S)	4
30.....	(NE)	11	NE	12	(NE)	12	(NE)	12	(NE)	12	(E)	12	(E)	12	E	13	(E)	14	(E)	14	(E)	14	(E)	13	(E)	10
Prevailing direction.....	S, SW		SW		SW		S		SW		S		S		S		S		S		E, S		E, S		S	
Mean velocity.....	9.4		9.6		9.5		9.3		9.0		9.1		9.5		9.4		9.4		9.4		9.8		10.0		10.3	

Hour.....	13-14		14-15		15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		Prevailing direction	Mean velocity	Maximum wind	
Day.....	SW	8	(SW)	7	(SW)	7	(SW)	6	(SW)	6	SW	3	SW	3	(SW)	4	(SW)	4	(S)	6	S	7	SW	5.2	SW	8
1.....	(S)	6	(SW)	7	(SW)	5	(SW)	3	(SW)	2	(SW)	4	SW	3	(SW)	5	(SW)	5	(W)	4	W	3	S	4.1	(S)	9
2.....	E	11	(E)	11	(E)	10	(NE)	9	NE	9	(NE)	9	E	10	(E)	12	(E)	13	(E)	14	(E)	13	E	7.8	(E)	15
3.....	E	12	E	12	E	10	E	9	E	9	E	9	SE	8	(SE)	9	(SE)	10	(SE)	11	SE	11	E	11.2	SE	16
4.....	E	7	(E)	8	(E)	6	(SE)	7	(SE)	8	SE	8	E	8	(E)	9	(NE)	11	NE	12	(NE)	8	SE	8.5	(SE)	12
5.....	NE	14	(NE)	12	(NE)	12	(NE)	14	NE	12	(NE)	13	N	12	N	10	N	9	(NW)	9	W	8	NE	10.8	(NE)	18
6.....	E	3	(E)	5	(E)	8	(SE)	9	(S)	10	(S)	9	S	9	(S)	12	(S)	15	(S)	18	(S)	18	S	7.0	(S)	20
7.....	S	16	(S)	15	(S)	15	(S)	14	S	13	(S)	12	S	9		9		5		5		3	S	14.4	(SW)	22
8.....	N	15	(N)	15	NE	15	(NE)	17	(NE)	18	(NE)	18	NE	18	(NE)	19	(E)	17	E	18	(E)	17	NE	13.2	NE	21
9.....	S	25	(S)	24	(S)	24	(S)	24	(S)	24	(S)	24	S	24	(S)	22	(S)	16	(SW)	9	(SW)	10	S	19.8	(SE)	46
10.....	S	20	(S)	19	(S)	18	(SW)	16	SW	14	(SW)	14	SW	13	SW	12	(SW)	6	(W)	9	W	7	SW	16.2	(SW)	31
11.....	NE	6	(NE)	8	(NE)	11	(NE)	10	(N)	10	(N)	11	N	11	(N)	11	(N)	11	(N)	12	(N)	12	N	7.3	(N)	13
12.....	E	7	(E)	6	(E)	6	(E)	6	(E)	7	(E)	6	E	7	(E)	9	(E)	7	(E)	6	(E)	8	E	7.7	(N)	12
13.....	E	3	(E)	5	(E)	3	(E)	3	(E)	4	(E)	5	E	3	(E)	6	(E)	7	(E)	4	(E)	5	E	6.0	E	10
14.....	SE	12	(SE)	11	(SE)	9	(SE)	7	(S)	6	(S)	7	S	7	(S)	7	(S)	8	(S)	9	S	7	SE	8.5	(SE)	13
15.....	S	8	(S)	7	(S)	9	(S)	8	(S)	8	(S)	8	S	8	(S)	9	S	8	(S)	9	(S)	9	S	8.2	(S)	12
16.....	S	8	(S)	8	(S)	6	(S)	5	(S)	6	(S)	6	S	8	(S)	6	S	6	(S)	7	(S)	6	S	7.5	(S)	10
17.....	S	20	(S)	19	(S)	21	(SW)	19	SW	18	(SW)	15	SW	18	SW	13	W	12	W	10	(W)	9	S	14.9	(S)	24
18.....	S	12	(S)	12	(S)	12	(S)	12	(S)	13	(S)	15	S	15	(S)	14	(S)	12	(S)	15	(S)	12	S	12.0	(S)	17
19.....	S	20	(S)	18	(S)	16	(S)	15	(S)	14	(S)	13	S	13	SE	11	(SE)	12	(SE)	9	(SE)	11	S	16.3	(S)	26
20.....	E	7	(E)	9	(E)	9	(E)	9	E	9	(E)	9	E	11	E	12	(E)	12	(E)	12	E	14	E	10.3	E	14
21.....	S	14	(S)	3	(S)	4	(SE)	3	SE	3	(SE)	2	E	3	(E)	3	(E)	5	(E)	3	(SE)	2	E	5.3	(E)	15
22.....	S	15	(S)	17	(S)	18	(S)	18	(S)	18	(S)	19	S	18	(S)	18	(S)	16	(S)	17	(S)	15	S	11.8	(S)	20
23.....	W	8	(W)	6	(W)	6	(SW)	7	SW	6	(SW)	4	W	5		3		3		3		3	W	7.3	(SW)	18
24.....	E	9	(E)	9	(E)	3	(E)	4	(E)	7	(E)	10	E	9	(E)	9	(E)	9	(E)	9	(E)	9	E	7.1	(E)	11
25.....	N	5		4		9		9		6		3	S	4	(S)	4	(S)	3	(S)	3	(S)	4	NE	6.8	(NE)	14
26.....	SW	10	SW	9	(SW)	9	(SW)	11	(SW)	9	SW	9	S	5	(S)	6	(S)	9	(S)	7	(S)	8	SW	9.6	(SW)	16
27.....	E	3	(E)	3	(E)	7	(NE)	5	(NE)	7	NE	8	(NE)	8	(NE)	9	(NE)	14	NE	13	(NE)	13	NE	6.0	(NE)	17
28.....	S	9	(S)	9	(S)	9	(S)	8	(S)	7	(S)	4	S	4	(S)	6	(S)	9	(SW)	9	SW	10	S	8.1	NE	18
29.....	S	4	(S)	3	(S)	5	(SE)	5	(SE)	6	SE	6	SE	8	(SE)	6	(SE)	9	(E)	10	(NE)	10	S	6.7	(SW)	12
30.....	E	7	(E)	6	(E)	5	(SE)	5	SE	7	(SE)	5	S	6	(S)	7	(S)	9	(S)	11	(S)	12	E	10.0	E	15
Prevailing direction.....	S		S		S		S		S		S		S		S		S		S		S		S			
Mean velocity.....	10.1		9.9		9.9		9.6		9.5		9.4		9.3		9.4		9.4		9.5		9.2			9.5		16.9

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

FEBRUARY 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time. Directions in parentheses obtained by interpolation]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	(S) 14	(S) 15	(SE) 14	(SE) 14	(SE) 11	(SE) 11	(SE) 9	SE 8	(SE) 6	(SE) 6	(E) 6	(NE) 5	(NE) 7
2.....	SE 3	(SE) 3	(SE) 4	(SE) 4	(SE) 6	(SE) 7	(SE) 8	SE 9	(SE) 10	SE 10	(SE) 10	(SE) 10	(E) 10
3.....	(SE) 9	(S) 9	(S) 12	S 9	(S) 4	(S) 6	(S) 3	S 4	(S) 4	(S) 5	SE 9	(E) 10	(E) 12
4.....	12	12	9	S 8	(SE) 9	E 8	SE 9	S 9	(S) 6	(S) 7	(S) 8	(S) 9	(S) 13
5.....	(SE) 8	(S) 9	(S) 8	S 8	(S) 8	(S) 6	(S) 4	S 7	(S) 9	(S) 9	(S) 8	(S) 10	(S) 11
6.....	(SW) 3	(SW) 5	(SW) 5	(W) 3	(W) 3	(W) 6	(W) 8	W 9	(W) 9	(W) 9	(W) 9	(W) 9	(W) 9
7.....	(E) 14	(E) 12	(E) 14	E 13	(E) 17	(E) 18	(E) 20	E 20	E 18	E 17	E 12	E 11	E 12
8.....	(E) 22	(E) 22	(E) 21	(E) 20	(E) 20	E 20	E 16	E 16	E 18	NE 21	NE 21	NE 16	NE 21
9.....	(NE) 14	(NE) 15	(N) 15	N 15	NE 14	NE 15	NE 13	NE 15	NE 12	NE 14	NE 15	NE 13	NE 15
10.....	(NE) 15	(NE) 15	(E) 14	E 13	(E) 15	(E) 14	(E) 16	E 16	(E) 15	E 15	(E) 15	(E) 13	E 12
11.....	(NE) 17	(NE) 18	(E) 14	E 12	(E) 12	(E) 14	E 15	E 15	E 16	E 18	E 15	E 20	E 20
12.....	(SE) 12	(SE) 15	SE 19	SE 18	SE 16	NE 17	NE 15	NE 21	NE 16	NE 18	NE 17	NE 18	NE 22
13.....	(NE) 16	(NE) 15	(E) 15	E 16	(E) 16	(E) 17	(E) 18	E 17	E 15	E 15	E 16	E 15	E 15
14.....	(E) 12	(E) 12	(E) 12	(E) 12	(E) 10	(E) 7	E 8	E 9	E 11	E 10	E 10	E 12	E 13
15.....	(E) 12	(E) 12	(E) 13	E 14	(E) 14	(E) 14	E 14	E 13	(E) 10	(E) 8	(E) 7	(E) 7	(E) 9
16.....	(S) 2	0	(S) 2	(S) 2	(S) 2	(S) 4	(S) 5	S 9	(S) 9	(S) 10	S 10	(S) 8	(S) 8
17.....	S 8	(S) 7	(S) 9	S 11	(S) 9	(S) 10	(S) 6	S 8	(S) 8	(S) 8	(S) 8	(S) 8	(S) 9
18.....	(S) 8	(S) 6	(S) 4	(S) 6	(S) 4	(S) 4	(S) 5	S 5	(S) 6	(S) 6	(S) 4	S 3	(SE) 2
19.....	E 12	(E) 12	(E) 12	(E) 10	(E) 6	(E) 12	(E) 16	E 16	(E) 16	E 16	E 16	E 15	(E) 16
20.....	(SE) 2	(E) 4	(E) 7	E 4	(E) 8	(SE) 3	(S) 3	S 3	(S) 7	(S) 8	(S) 9	S 11	(S) 10
21.....	(S) 4	(S) 3	(SE) 3	(SE) 3	(SE) 2	0	(E) 2	E 4	(E) 9	(E) 8	(E) 11	(E) 9	(E) 9
22.....	(E) 3	(E) 3	(E) 3	(E) 2	(E) 3	(E) 2	(E) 4	E 4	(E) 4	(E) 4	(SE) 5	(S) 5	(S) 8
23.....	(S) 11	(S) 4	(S) 3	(S) 5	(S) 4	(E) 8	(S) 4	(S) 2	(S) 2	(S) 11	(S) 17	(S) 17	(S) 16
24.....	(E) 27	(E) 29	(E) 30	(E) 30	(E) 30	(E) 30	E 23	E 27	E 27	E 26	E 25	E 23	E 21
25.....	(E) 18	(E) 18	(E) 18	(E) 19	(E) 18	(E) 16	(E) 13	E 13	E 11	E 13	E 11	E 9	E 9
26.....	(E) 12	(E) 15	(E) 15	(E) 15	(E) 16	(E) 15	(E) 17	E 16	(E) 17	(E) 16	(E) 15	(E) 15	(E) 15
27.....	(S) 5	(S) 4	(S) 2	(S) 2	(S) 3	(S) 3	(S) 5	S 7	(S) 6	(S) 6	(S) 6	(S) 5	(S) 5
28.....	(E) 9	(E) 8	(E) 8	(E) 6	(E) 7	(E) 7	(E) 8	E 9	(E) 7	(E) 7	(E) 6	(E) 6	(E) 6
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity.....	10.9	10.8	10.9	10.5	10.2	10.5	10.4	11.4	10.9	11.4	11.5	11.1	12.0

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
<i>Day</i>														
1.....	NE 10	10	9	9	5	4	SW 4	(SW) 4	(S) 4	(SE) 3	(SE) 3	SE	8.0	(S) 15
2.....	E 10	(E) 10	(E) 9	(E) 9	(E) 9	E 9	E 8	(E) 8	(E) 8	(SE) 9	(SE) 10	SE	8.0	(SE) 10
3.....	E 12	E 10	E 9	E 11	E 10	N 13	N 16	N 18	N 17	(N) 15	NW 15	S	10.1	N 20
4.....	S 15	(S) 15	S 15	(S) 15	(S) 13	(S) 11	S 11	(S) 9	S 9	SE 8	(SE) 6	S	10.2	S 18
5.....	S 11	(S) 10	(S) 9	(S) 9	(S) 11	(S) 10	S 6	(S) 7	S 4	SW 4	(SW) 3	S	7.9	S 13
6.....	W 8	(W) 8	(SW) 9	(SW) 9	(S) 9	(SE) 12	SE 14	(SE) 15	(SE) 14	(SE) 13	(SE) 15	W	8.9	(SE) 16
7.....	E 12	E 12	E 13	E 12	E 14	E 15	E 15	E 14	(E) 15	(E) 18	(E) 21	E	15.0	E 25
8.....	NE 21	NE 18	NE 19	NE 18	NE 18	NE 19	NE 20	NE 18	NE 16	NE 15	NE 15	NE	19.0	E 30
9.....	NE 14	NE 12	NE 13	NE 12	NE 11	NE 12	NE 15	NE 13	(NE) 16	(NE) 15	NE 15	NE	13.9	NE 18
10.....	E 14	E 15	E 12	E 15	E 17	E 17	E 16	(E) 15	E 13	(E) 17	NE 17	E	14.8	NE 15
11.....	E 18	E 17	E 17	E 19	E 16	SE 14	SE 15	E 13	E 12	SE 9	(SE) 10	E	15.2	E 25
12.....	NE 22	NE 21	NE 21	NE 18	NE 19	NE 21	NE 21	NE 21	NE 21	NE 21	NE 18	NE	18.7	NE 38
13.....	E 16	E 16	E 15	E 15	E 16	E 15	E 16	(E) 15	(E) 15	(E) 17	E 12	E	15.6	E 18
14.....	E 13	E 11	E 15	E 14	E 15	E 15	E 10	(E) 13	(E) 12	(E) 12	E 11	E	11.7	E 16
15.....	E 8	(E) 7	SE 7	(SE) 6	(SE) 6	(SE) 6	(SE) 6	(SE) 5	(SE) 3	(SE) 3	0	E	8.5	E 15
16.....	S 8	(S) 9	(S) 7	(S) 7	(S) 8	(S) 7	S 6	(S) 5	(S) 6	(S) 8	S 7	S	6.2	S 10
17.....	S 8	(S) 9	(S) 9	(S) 12	(S) 12	(S) 12	S 9	(S) 13	(S) 10	S 9	(S) 6	S	9.0	S 13
18.....	E 3	(E) 3	(E) 4	(E) 4	(E) 3	(E) 8	E 11	(E) 9	E 12	(E) 10	(E) 12	S	5.9	E 12
19.....	E 15	(E) 15	E 14	(E) 15	(E) 11	(E) 9	E 9	E 7	(E) 3	SE 3	(SE) 2	E	11.6	E 19
20.....	S 11	(S) 12	S 12	(S) 12	(S) 13	(S) 12	S 11	(S) 8	(S) 7	(S) 7	S 6	S	8.1	S 18
21.....	E 11	(E) 12	(E) 11	(E) 12	(E) 14	(E) 12	E 10	(E) 9	(E) 3	0	(E) 3	E	6.8	E 15
22.....	S 6	(S) 5	(S) 4	(S) 4	(S) 4	(S) 5	S 5	(S) 8	(S) 10	(S) 9	(S) 8	S	4.9	S 12
23.....	S 15	(S) 12	(S) 12	(S) 12	(S) 11	(S) 7	S 9	SE 8	SE 17	E 24	(E) 27	S	10.8	SE 36
24.....	E 21	E 21	E 23	E 23	E 20	E 20	E 20	E 20	E 20	(E) 21	(E) 20	E	24.2	E 38
25.....	E 9	E 9	E 10	E 9	E 8	E 8	E 9	E 11	(E) 10	(E) 12	(E) 12	E	12.2	E 24
26.....	E 13	(E) 12	(E) 12	(SE) 10	(S) 7	(S) 7	S 7	(S) 4	(S) 4	(S) 3	(S) 6	E	11.8	E 18
27.....	S 5	E 4	E 12	E 12	E 13	E 12	E 11	E 12	(E) 10	(E) 12	(E) 11	S	7.2	E 15
28.....	E 6	(E) 8	(E) 8	(E) 7	(E) 7	(E) 8	E 8	(E) 9	(E) 9	(E) 10	(E) 11	E	7.7	E 13
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	E	E		
Mean velocity.....	12.0	11.5	11.8	11.8	11.4	11.4	11.4	11.1	10.7	11.0	10.8		11.1	10.2

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

MARCH 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time. Directions in parentheses obtained by interpolation]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1	(E) 12	(E) 12	(E) 13	(E) 13	(E) 13	E 12	E 13	E 15	E 17	E 17	E 14	E 15	E 12
2	(E) 17	(E) 18	(E) 16	(E) 17	(E) 15	(E) 15	E 14	E 13	E 12	E 14	E 12	E 12	E 14
3	(S) 10	(S) 12	(S) 13	(S) 10	(S) 12	(S) 11	S 10	S 11	S 11	S 14	S 9	S 12	S 9
4	(S) 7	(SE) 8	(SE) 7	(E) 5	(E) 3	E 7	E 14	E 18	E 19	E 21	E 24	E 27	E 28
5	(E) 19	(E) 20	(E) 18	(E) 18	(E) 18	(E) 17	E 15	E 15	E 15	E 15	E 16	E 14	E 14
6	(E) 15	(E) 15	(E) 16	(E) 20	(E) 18	(E) 22	E 23	E 26	E 27	E 29	E 29	E 26	E 25
7	(SE) 4	(SE) 4	(SE) 5	(S) 3	(SE) 3	(S) 5	(S) 7	S 5	S 6	S 6	S 6	S 5	S 4
8	12	13	13	13	12	14	W 8	W 8	W 9	W 15	W 12	W 11	W 12
9	(E) 7	(E) 8	(E) 11	(E) 9	(E) 11	(E) 12	E 14	E 18	E 21	E 26	E 30	E 32	E 37
10	(E) 29	(SE) 36	(SE) 32	(S) 28	(SW) 27	(SW) 24	SW 24	SW 24	SW 20	SW 18	SW 15	W 15	W 12
11	(SE) 16	(SE) 17	(S) 15	(S) 20	(SW) 22	(SW) 18	W 12	W 12	W 9	SW 10	S 10	S 11	S 10
12	(S) 10	(SE) 14	(SE) 20	(SE) 23	(E) 24	(E) 24	E 27	E 27	E 26	E 22	E 24	E 24	E 24
13	(S) 12	(S) 11	(S) 10	(S) 9	(S) 9	(S) 7	S 5	S 10	S 10	S 9	S 9	S 9	S 9
14	(SE) 10	(SE) 7	(E) 10	(E) 18	(E) 20	(E) 21	E 24	E 26	E 21	E 20	E 31	E 33	E 27
15	(E) 21	(E) 18	(NE) 22	(NE) 24	(NE) 25	(NE) 21	NE 18	NE 15	NE 15	NE 14	NE 14	NE 13	NE 14
16	(E) 10	(E) 12	(SE) 13	(SE) 15	(S) 15	(S) 17	(S) 18	S 17	S 17	S 19	SW 20	SW 21	SW 21
17	(W) 8	(W) 14	(SW) 14	(SW) 17	(SW) 18	(SW) 17	SW 14	W 9	W 7	SW 10	SW 9	SW 5	SW 6
18	(E) 15	(E) 15	(E) 16	(E) 14	E 15	E 15	E 15	E 15	E 15	E 15	E 17	E 16	E 15
19	(E) 16	(E) 15	(E) 17	(E) 19	E 18	E 23	E 20	E 18	E 19	E 21	E 20	E 19	E 19
20	(E) 15	(E) 15	(E) 17	E 16	E 15	E 18	E 18	E 18	E 16	E 17	E 16	E 17	E 17
21	(E) 12	(E) 12	(E) 11	(E) 11	(E) 13	(E) 18	E 18	E 17	E 18	E 18	E 18	E 19	E 17
22	(SE) 9	(SE) 3	(S) 4	(S) 6	S 7	SE 4	SE 2	SE 2	SE 2	SE 2	S 2	S 2	S 3
23	(S) 2	(S) 3	(S) 3	(S) 8	(S) 6	S 6	S 7	S 9	S 7	S 5	S 8	S 9	S 9
24	(S) 4	(SE) 6	(SE) 12	(E) 15	(E) 15	E 15	E 15	E 15	E 15	NE 13	N 12	N 12	NE 12
25	(E) 12	(E) 12	(E) 11	(E) 13	(E) 8	(E) 5	E 5	E 7	E 8	E 7	E 11	E 14	E 16
26	(E) 5	(E) 4	0	(NE) 2	(NE) 3	(NE) 4	NE 7	NE 8	NE 9	NE 12	NE 12	NE 10	NE 9
27	(E) 21	(E) 19	(E) 18	(E) 18	(E) 18	(E) 18	E 16	E 15	E 14	E 13	SE 11	S 10	S 7
28	(SW) 7	(SW) 6	(S) 6	(S) 5	(S) 6	(S) 4	(S) 2	S 2	S 2	S 4	SW 3	S 5	SW 3
29	(SW) 3	0	(SW) 2	0	(SW) 2	(SW) 3	(SW) 5	SW 4	SW 5	S 4	SW 6	S 3	E 2
30	(E) 10	(E) 13	(E) 10	(E) 10	(E) 10	(E) 11	E 9	SE 7	S 9	S 9	S 8	S 7	S 6
31	(E) 9	(E) 4	(E) 7	(E) 8	(E) 5	(E) 8	E 7	E 6	E 3	S 3	S 4	S 4	S 5
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	11.6	11.8	12.3	13.1	13.1	13.4	13.1	13.3	13.0	13.9	13.9	13.9	13.5

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
														Dir. Vel.
<i>Day</i>														
1	E 13	E 15	E 18	E 15	E 17	E 16	E 16	E 17	E 16	(E) 16	(E) 16	E	14.7	E 20
2	E 11	E 6	SE 7	SE 8	SE 4	S 6	S 10	S 10	S 7	(S) 9	(S) 10	E	11.6	(E) 21
3	S 10	S 9	S 6	S 6	S 8	S 8	W 6	SW 4	(SW) 4	(SW) 8	(S) 9	S	9.2	(S) 17
4	E 29	E 27	E 28	E 26	E 25	E 24	E 23	E 21	E 21	E 21	(E) 21	E	18.9	E 34
5	E 15	E 15	E 15	E 15	E 15	E 15	E 15	E 15	E 15	E 15	(E) 15	E	15.8	(E) 22
6	E 28	E 27	E 26	E 25	E 24	E 18	E 18	E 18	(E) 22	(E) 16	(E) 9	E	21.7	E 35
7	S 2	S 2	S 5	S 6	S 3	S 4	E 8	E 9	12	11	12	S	5.7	15
8	W 11	W 10	W 11	W 8	W 8	W 4	W 5	W 5	E 3	E 2	(E) 5	W	9.3	W 25
9	E 38	E 39	E 39	E 39	E 38	E 40	E 39	E 38	E 34	E 30	E 26	E	20.5	E 53
10	W 8	SW 9	S 11	S 11	S 7	S 5	E 4	E 8	E 9	(E) 11	(E) 12	SW	16.6	(E) 42
11	S 9	S 9	S 9	S 6	S 6	S 5	S 4	S 4	S 6	S 9	(S) 7	S	10.7	(S) 30
12	E 24	E 25	E 25	E 25	E 24	SE 18	S 16	S 12	S 13	(S) 14	(S) 15	E	20.8	E 32
13	S 9	S 8	S 8	S 8	S 6	S 12	S 12	S 8	SE 8	(SE) 12	(SE) 14	S	9.3	(SE) 16
14	E 26	E 26	E 29	E 30	E 27	E 28	E 29	E 27	(E) 27	(E) 24	(E) 24	E	23.9	E 44
15	NE 12	NE 14	NE 15	NE 14	NE 13	NE 13	NE 10	NE 12	NE 12	(NE) 12	(NE) 9	NE	15.4	(NE) 30
16	SW 23	SW 23	SW 21	SW 19	SW 14	SW 12	S 10	S 9	W 8	(W) 4	(W) 5	SW	15.1	SW 28
17	SW 3	SW 2	S 3	E 4	E 7	E 8	E 9	E 12	(E) 12	(E) 14	(E) 15	SW	9.9	(SW) 21
18	E 15	E 17	E 15	E 16	E 15	NE 12	E 15	E 16	(E) 15	(E) 13	(E) 14	E	15.0	E 21
19	E 18	E 17	E 18	E 15	E 15	E 15	E 15	E 14	(E) 13	(E) 14	(E) 15	E	17.2	E 24
20	E 17	E 18	E 18	E 18	E 17	E 18	E 18	(E) 17	(E) 18	(E) 16	(E) 14	E	16.8	E 21
21	E 18	E 13	E 13	E 13	E 10	E 10	E 9	E 11	(E) 10	(E) 8	(SE) 9	E	13.6	E 22
22	S 4	S 5	S 6	S 5	S 4	S 4	S 4	S 5	S 5	(S) 5	(S) 4	S	4.1	(SE) 9
23	S 8	S 9	S 9	S 9	S 5	S 6	S 5	S 4	S 5	(S) 4	(S) 4	S	6.2	S 10
24	E 13	E 14	E 15	E 15	E 17	E 17	E 16	E 15	E 15	(E) 14	(E) 13	E	13.5	E 21
25	E 15	E 12	E 14	E 12	E 9	E 8	E 10	E 8	(E) 4	(E) 5	(E) 4	E	9.6	E 17
26	NE 11	E 11	E 11	E 12	E 12	E 15	E 15	E 18	(E) 19	(E) 19	(E) 20	E	10.3	(E) 21
27	S 3	S 4	SW 10	S 11	SW 9	S 11	SW 9	SW 6	(SW) 9	(SW) 10	(SW) 9	E	12.0	(E) 25
28	SW 4	S 4	S 2	S 4	SW 6	S 3	SW 3	SW 7	(SW) 5	(SW) 3	(SW) 3	S	4.1	(SW) 9
29	E 3	E 7	E 9	E 9	E 9	E 12	E 11	E 11	(E) 11	(E) 11	(E) 9	E	5.9	E 13
30	S 6	S 4	S 5	S 5	E 8	E 9	E 12	E 11	(E) 11	(E) 9	(E) 9	E	8.7	(E) 14
31	S 6	S 6	E 7	E 7	E 6	E 5	E 9	E 9	(E) 9	(E) 3	(E) 2	E	5.9	(E) 9
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E		
Mean velocity	13.3	13.1	13.8	13.4	12.5	12.3	12.4	12.3	12.2	11.7	11.4		12.9	23.3

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

APRIL 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time. Directions in parentheses obtained by interpolation]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	(E) 3	(SE) 2	0	(S) 6	(S) 6	(S) 6	S 2	S 3	S 3	S 4	0	S 3	S 4
2.....	(W) 12	(W) 9	(W) 10	(W) 9	(W) 10	(W) 9	W 6	W 6	W 7	W 5	W 6	W 4	SW 2
3.....	(S) 2	0	(S) 2	(S) 2	(S) 2	(S) 7	S 6	SE 8	S 5	S 5	S 3	S 3	S 5
4.....	SW 12	SW 12	S 11	S 9	SW 7	SW 8	SW 9	SW 9	SW 7	SW 6	S 4	S 5	S 4
5.....	S 6	S 4	0	SW 4	SW 7	SW 5	SW 5	SW 4	SW 6	S 2	0	SW 2	SW 3
6.....	S 9	S 7	S 7	S 6	S 7	S 7	S 8	S 7	S 8	S 10	S 9	S 6	S 3
7.....	S 11	S 13	S 16	S 13	S 12	SW 9	SW 8	S 8	S 12	S 13	S 13	S 12	E 4
8.....	SW 3	SW 5	SW 7	SW 7	SW 6	SW 4	SW 4	S 2	S 3	S 2	0	0	0
9.....	SW 12	S 12	S 12	S 12	S 13	SW 12	SW 9	SW 5	S 4	S 2	E 4	E 9	E 12
10.....	E 18	E 16	E 16	E 14	E 14	E 12	E 12	E 11	E 7	E 4	E 4	E 2	S 3
11.....	SW 8	SW 7	SW 9	SW 8	S 8	S 9	S 6	SW 4	SW 5	SW 3	SW 2	S 3	S 3
12.....	SE 5	S 5	W 5	S 3	E 3	S 5	SE 4	SW 3	SE 2	SE 2	SE 3	SE 2	SE 4
13.....	N 9	N 12	N 9	N 11	NE 10	NE 12	N 11	NE 9	NE 9	NE 9	NE 9	E 8	NE 7
14.....	E 13	E 13	SE 15	SE 15	E 18	SE 21	E 20	E 20	E 19	E 19	E 19	E 18	E 19
15.....	E 11	E 11	E 8	E 4	E 4	E 2	NE 2	S 2	S 4	S 6	S 7	S 9	S 7
16.....	W 11	W 13	W 14	W 14	W 14	W 14	W 13	W 13	SW 12	SW 11	S 9	S 9	S 10
17.....	NE 6	N 5	N 2	SE 3	SE 4	S 3	S 5	S 7	SW 7	SW 8	SW 9	SW 8	SW 10
18.....	0	N 3	NE 2	NE 2	NE 6	NE 3	0	S 4	SW 3	SW 3	SW 3	SW 6	SW 6
19.....	SW 9	SW 11	SW 12	SW 7	SW 6	SW 6	SW 9	SW 8	SW 9	S 9	S 9	S 9	S 9
20.....	E 12	E 12	E 12	E 10	E 9	E 8	E 9	E 12	E 13	E 12	E 13	E 15	E 15
21.....	SW 4	SE 3	S 3	0	SW 3	SW 4	S 4	0	S 4	S 3	SE 3	SE 4	E 2
22.....	E 15	E 13	E 12	E 13	E 12	E 12	E 14	E 17	E 20	E 20	E 19	E 18	E 19
23.....	E 19	E 21	E 22	E 24	E 23	E 22	E 21	E 21	E 18	E 16	E 14	E 8	S 5
24.....	S 9	SW 9	SW 10	SW 10	SW 12	SW 12	S 9	SW 9	SW 9	SW 7	SW 2	SW 4	SW 7
25.....	S 7	SW 5	S 5	S 3	SW 5	SW 5	SW 6	S 3	0	0	0	0	NE 3
26.....	E 19	E 21	E 22	E 21	E 21	E 21	E 21	E 24	E 24	E 24	E 22	E 20	E 20
27.....	SE 5	S 2	SW 3	S 6	S 4	S 9	S 5	S 4	SW 3	S 3	SW 3	0	0
28.....	S 7	0	S 2	0	0	SE 2	SE 4	E 9	E 12	E 15	E 18	E 19	E 20
29.....	SE 8	SE 6	SE 9	SE 3	SE 4	SE 3	SE 7	SW 7	S 8	S 7	S 6	SW 7	S 8
30.....	SW 2	0	SW 3	SW 5	NE 11	NE 12	NE 12	E 14	E 11	E 12	NE 10	E 12	E 12
Prevailing direction.....	E	E	S	SW	E	SW	S	S	SW, S	S	S, E	E	S
Mean velocity.....	8.9	8.4	8.7	8.1	8.7	8.8	8.4	8.4	8.5	8.1	7.4	7.5	7.5

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
<i>Day</i>														
1.....	S 3	0	0	S 2	S 2	S 2	S 3	S 6	W 9	(W) 8	(W) 10	S	3.6	W 12
2.....	E 2	0	0	0	0	0	0	0	0	0	(S) 3	W	4.2	W 17
3.....	S 3	S 5	S 6	S 5	S 5	S 6	S 7	S 8	S 8	SW 8	SW 9	S	5.0	SE 12
4.....	SW 4	SW 5	SW 2	SW 3	SW 4	S 3	S 4	S 2	0	S 2	S 4	SW	5.7	SW 15
5.....	SW 4	S 2	0	0	0	0	0	0	0	S 4	S 6	SW	2.8	SW 8
6.....	S 2	S 3	0	0	S 2	0	SW 6	SW 5	SW 7	SW 12	S 12	S	6.0	SW 13
7.....	E 6	E 2	S 4	S 3	S 2	S 4	SW 5	SW 3	SW 5	SW 4	SW 4	S	7.8	S 17
8.....	S 2	S 8	SW 9	SW 9	SW 10	SW 10	SW 8	SW 10	W 11	W 10	W 12	SW	5.9	W 14
9.....	E 15	E 17	E 20	E 19	E 19	E 18	E 18	E 19	E 18	E 18	E 18	E	13.2	E 21
10.....	0	S 4	0	E 3	E 3	E 2	E 5	S 6	S 6	S 2	S 7	E	7.1	E 21
11.....	SE 5	SE 5	SE 5	SE 6	E 9	E 9	E 11	E 8	E 7	E 9	E 6	SW	6.5	E 12
12.....	W 3	W 2	E 4	E 8	E 6	E 9	NE 9	NE 9	N 11	N 13	N 10	SE	5.4	N 15
13.....	N 10	N 12	E 9	NE 11	E 9	E 10	E 10	E 13	E 14	E 15	E 13	E	10.5	E 18
14.....	E 18	E 18	E 15	E 15	E 13	E 12	E 13	E 12	E 13	E 13	E 12	E	16.0	E 23
15.....	S 8	S 6	SW 6	SW 7	SW 8	SW 9	SW 9	W 11	W 12	W 12	W 13	S	7.4	W 16
16.....	S 10	S 9	S 6	S 4	S 5	SW 3	SW 4	SW 5	SE 5	SE 4	E 2	W, S	8.9	W 16
17.....	SW 7	SW 9	SW 14	SW 8	SW 8	SW 4	0	N 3	N 3	N 3	N 3	SW	5.8	SW 16
18.....	SW 4	SW 4	SW 6	SW 6	SW 6	SW 5	SW 7	SW 9	SW 9	SW 8	SW 9	SW	4.8	SW 12
19.....	SW 9	SW 7	W 5	W 6	W 6	SW 5	S 9	S 5	S 8	E 12	E 11	SW	8.2	SW 14
20.....	E 15	E 17	E 18	E 12	E 15	E 17	E 14	E 18	E 14	E 11	E 7	E	12.9	E 23
21.....	E 15	E 17	E 15	E 15	E 18	E 16	E 15	E 17	E 18	E 14	E 16	E	8.9	E 20
22.....	E 19	E 19	E 20	E 19	E 20	E 20	E 16	E 16	E 15	E 15	E 16	E	16.6	E 24
23.....	S 2	S 2	S 4	S 4	SW 5	E 13	S 2	S 2	S 4	S 4	S 6	E	11.3	E 29
24.....	SW 8	S 7	SW 7	S 8	S 6	S 7	S 9	S 8	S 7	S 6	S 6	SW	7.8	SW 15
25.....	E 7	NE 11	E 13	E 12	E 15	E 14	E 15	E 16	E 18	E 18	E 18	E	8.3	E 21
26.....	E 21	E 20	E 21	E 20	E 17	E 16	E 14	E 14	E 12	E 9	E 9	E	18.9	E 30
27.....	0	E 9	E 9	E 8	E 10	E 11	E 12	E 9	N 9	E 9	S 6	E, S	5.8	E 13
28.....	E 20	E 18	E 18	E 14	E 14	E 12	E 9	SE 9	SE 7	SE 7	SE 11	E	10.3	E 23
29.....	S 9	S 7	S 6	SW 3	S 5	SW 5	SW 2	W 4	W 3	SW 2	SW 2	S	5.5	SE 11
30.....	E 12	E 12	E 12	E 12	E 13	E 15	E 16	E 15	E 17	E 15	E 18	E	11.4	E 21
Prevailing direction.....	E	E, S	E	E	E	E	E	E	E	E	E	E	8.4	17.4
Mean velocity.....	8.1	8.6	8.5	8.1	8.5	8.3	8.4	8.7	9.0	8.9	9.3			

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

MAY 1929

(The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time)

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	E 20	E 23	E 27	E 27	E 27	E 27	E 20	E 26	E 25	E 24	E 28	E 28	E 27
2.....	E 18	E 14	E 11	E 7	E 7	E 9	E 11	E 12	E 12	E 12	E 12	E 12	E 14
3.....	S 8	SW 5	S 3	S 4	S 4	SW 3	0	0	0	0	S 2	S 6	E 14
4.....	S 5	SE 5	S 6	S 6	S 8	S 7	S 7	S 5	S 4	S 3	S 4	S 3	SW 5
5.....	S 4	SW 6	SW 6	SW 5	S 4	S 5	S 4	S 8	S 7	S 5	S 4	SE 4	SE 5
6.....	E 3	E 2	S 2	E 2	E 2	SE 2	E 2	E 2	E 3	S 4	SW 2	SW 6	SW 4
7.....	S 7	S 4	S 5	S 8	S 9	S 9	S 8	S 4	S 2	S 6	S 10	S 9	SW 9
8.....	SW 7	SW 4	SW 3	SW 4	SW 4	SW 4	SW 2	E 2	0	E 3	E 5	E 6	E 7
9.....	E 10	E 10	E 9	NE 11	NE 10	NE 10	NE 12	N 10	N 12	N 13	N 15	N 15	N 15
10.....	E 5	E 7	E 8	E 11	E 10	E 11	E 11	E 13	E 15	E 16	E 17	E 16	E 13
11.....	E 20	E 21	E 24	E 21	E 21	E 18	E 21	E 21	E 19	E 20	E 20	E 19	E 21
12.....	E 14	E 7	E 6	E 6	E 7	E 7	E 2	S 2	E 5	SW 5	S 6	S 3	SW 2
13.....	S 9	W 9	SW 8	SW 6	SW 6	SW 9	S 9	S 6	S 5	S 6	S 7	S 6	SW 7
14.....	S 9	SW 8	SW 7	SW 4	S 7	S 2	SW 5	SW 6	SW 3	0	0	SW 2	0
15.....	S 3	S 3	0	E 2	0	SE 2	S 4	0	0	SE 2	SE 2	SE 2	S 3
16.....	W 12	W 12	W 9	W 9	W 14	W 16	SW 11	SW 8	SW 9	SW 11	W 5	W 9	W 8
17.....	NE 8	NE 4	SE 9	SW 8	SE 3	S 5	S 4	S 2	0	S 2	S 5	S 5	SW 6
18.....	SW 11	SW 10	SW 5	SW 4	SW 7	SW 5	SW 5	SW 3	0	0	0	0	E 7
19.....	E 7	E 5	E 9	E 8	E 7	E 7	E 8	E 8	E 8	E 6	E 7	E 9	E 9
20.....	E 9	E 10	E 11	E 10	E 9	E 9	S 9	S 5	S 6	S 5	S 5	S 5	S 5
21.....	S 9	SW 9	SW 9	SW 9	SW 9	SW 9	SW 8	SW 4	E 2	E 2	NE 4	N 10	N 10
22.....	NE 8	E 9	NE 9	W 10	N 4	N 4	E 4	NE 6	NE 4	N 3	N 6	N 8	NE 9
23.....	E 3	E 8	E 8	E 9	E 6	E 9	E 12	E 13	E 12	E 9	E 9	E 9	S 7
24.....	S 6	S 5	0	0	SW 3	SW 4	W 2	SW 5	SW 4	SW 4	SE 8	S 8	E 9
25.....	S 6	S 8	S 5	S 6	S 6	SE 2	E 8	E 12	E 12	E 13	E 18	E 16	E 17
26.....	E 17	E 21	E 20	E 17	E 18	E 14	E 15	E 14	E 12	S 14	S 9	S 15	W 18
27.....	SW 4	SW 7	E 2	SW 3	SW 3	SW 4	S 2	E 2	0	0	0	E 6	E 8
28.....	E 18	E 19	E 16	E 15	N 13	N 12	E 13	E 14	E 11	E 16	E 18	E 19	E 21
29.....	E 15	E 15	E 15	E 14	E 12	E 10	NE 9	E 4	SE 5	SE 2	S 2	S 2	S 5
30.....	W 7	W 8	SW 6	W 6	W 9	W 7	W 8	W 8	W 6	W 6	W 3	W 5	W 3
31.....	SW 3	SW 6	SW 5	SW 8	SW 4	0	0	0	W 3	W 5	W 5	W 6	W 6
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	S	E, S	E
Mean velocity.....	9.2	9.2	8.5	8.4	8.1	7.8	7.7	7.3	6.7	7.2	7.7	8.9	9.5

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
														Dir. Vel.
<i>Day</i>														
1.....	E 27	E 25	E 25	E 24	E 24	E 23	E 24	E 24	E 21	E 22	E 20	E	24.8	E 35
2.....	E 14	E 12	E 12	E 12	E 14	NE 12	NE 12	NE 14	NE 9	N 11	E 6	E	11.6	E 24
3.....	E 19	E 22	E 19	E 18	E 16	E 15	E 13	E 12	E 12	SE 9	S 8	E	8.8	E 24
4.....	S 9	S 5	S 6	S 6	S 8	S 10	S 6	S 6	S 5	SE 5	SE 7	S	5.9	SE 18
5.....	SE 9	S 8	S 6	SW 5	S 7	S 6	W 5	W 5	E 6	E 5	E 3	S	5.6	SE 11
6.....	SW 4	SW 6	SW 6	SW 6	S 8	S 6	S 7	S 3	S 5	S 7	SW 7	S, SW	4.2	SW 9
7.....	SW 7	SW 9	SW 8	S 12	SW 12	SW 14	SW 13	SW 15	SW 13	SW 12	SW 10	S	9.1	SW 18
8.....	E 9	E 12	E 10	E 12	E 12	E 13	E 12	E 14	E 12	E 9	E 9	E	7.3	SW 18
9.....	N 15	N 14	W 10	W 8	W 7	W 3	W 4	W 2	0	0	E 4	N	9.1	N 21
10.....	E 16	E 20	E 22	E 21	E 19	E 18	E 15	E 17	E 17	E 22	E 19	E	15.0	E 25
11.....	E 18	E 18	E 17	E 15	E 15	E 16	E 11	E 9	E 15	E 13	E 15	E	17.8	E 29
12.....	SW 4	S 4	S 5	SW 9	SW 10	SW 9	SW 4	SW 8	SW 8	S 8	SW 8	SW	6.3	E 16
13.....	SW 8	SW 9	SW 7	S 5	S 2	S 3	S 6	S 3	S 3	W 5	SW 8	S	6.3	S 12
14.....	SW 6	SW 5	SW 5	SW 3	SW 3	SW 4	S 6	SW 7	S 9	S 8	S 2	SW	4.6	S 14
15.....	0	SW 2	SW 3	SW 7	SW 9	SW 8	S 6	SW 8	SW 5	SW 6	SW 11	SW	3.7	SW 15
16.....	W 8	W 4	W 7	SW 5	SW 4	SW 3	SW 2	W 2	N 8	N 7	N 9	W	8.0	W 18
17.....	SW 2	SW 3	SW 4	SW 2	SW 3	SW 2	S 8	SW 9	SW 8	SW 9	SW 12	SW	5.1	SW 15
18.....	E 9	E 9	E 8	E 8	E 8	E 9	E 9	E 9	E 9	E 10	E 8	E	6.4	SW 13
19.....	E 9	E 8	E 9	E 9	E 9	E 10	E 9	E 9	E 9	E 9	E 9	E	8.2	E 11
20.....	S 5	S 5	SW 5	SW 4	W 8	W 8	SW 9	SW 8	S 9	S 10	S 7	S	7.5	E 12
21.....	N 10	N 9	N 9	N 10	N 8	N 9	N 10	N 11	N 9	N 10	E 9	N	8.3	N 13
22.....	NE 11	N 11	N 8	SE 3	S 2	S 4	S 3	S 2	E 4	S 7	E 2	N	5.9	N 14
23.....	S 8	S 8	S 8	S 7	S 8	SE 9	S 9	SE 6	NE 6	NE 9	E 9	E	8.4	E 14
24.....	S 11	E 6	S 3	S 8	S 9	S 13	S 10	SE 7	SE 5	S 6	S 3	S	5.8	S 18
25.....	E 18	E 19	E 18	E 18	E 17	E 18	E 15	E 16	E 18	E 18	E 15	E	13.3	E 22
26.....	W 16	W 11	SW 9	SW 8	SW 11	SW 12	SW 12	SW 9	SW 6	SW 4	SW 8	SW	13.0	E 27
27.....	E 9	E 9	E 9	E 13	E 13	E 16	E 13	E 14	E 15	E 15	E 18	E	7.6	E 22
28.....	E 20	E 20	E 20	E 18	E 15	E 16	E 15	E 16	E 16	E 14	E 13	E	16.1	E 25
29.....	S 2	S 9	S 7	S 5	SW 3	SW 7	W 10	SW 9	SW 10	W 8	S 5	S	7.7	E 18
30.....	W 6	W 12	W 12	W 11	W 10	W 10	W 8	W 7	W 4	W 2	W 2	W	6.9	W 13
31.....	W 6	W 5	W 4	W 2	0	0	E 2	NE 4	NE 4	NE 7	W	W	3.5	SW 10
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	E	E	8.8	
Mean Velocity.....	10.2	10.3	9.7	9.5	9.5	9.9	9.4	9.0	8.9	9.2	8.8			17.9

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

JUNE 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	E 4	E 7	E 12	E 13	E 12	E 12	E 15	E 14	E 14	E 15	E 15	E 17	E 16
2.....	E 21	E 22	E 21	E 20	E 21	E 20	E 18	E 17	E 16	E 16	E 16	E 15	E 13
3.....	SW 2	SW 2	SW 5	SW 5	SW 6	SW 5	SW 5	0	SE 2	0	0	SE 4	SE 3
4.....	E 7	NE 10	E 10	E 15	E 18	E 16	E 15	N 18	NE 18	NE 17	NE 17	NE 21	E 17
5.....	SW 3	S 5	SW 18	SW 21	SW 23	SW 16	SW 10	SW 7	SW 3	NW 4	0	SE 2	SE 2
6.....	E 27	E 27	E 27	E 26	E 30	E 29	E 26	E 24	E 25	SE 21	SE 22	S 16	S 15
7.....	S 12	S 6	S 9	E 8	E 5	E 11	SW 10	S 9	S 9	S 9	S 9	S 8	S 5
8.....	NE 13	NE 11	NE 12	NE 11	NE 9	NE 10	NE 10	N 10	E 10	E 9	E 14	E 12	NE 8
9.....	SW 3	SW 4	SW 8	SW 9	SW 8	SW 6	S 5	E 5	E 13	E 17	E 19	E 18	E 18
10.....	E 15	E 16	E 17	E 15	E 16	E 16	E 16	E 15	E 16	E 15	E 16	E 15	E 15
11.....	E 9	E 8	E 9	E 7	E 9	E 9	E 7	E 7	E 8	E 8	E 7	E 7	E 6
12.....	N 2	E 2	SW 2	0	S 2	SW 3	S 2	S 2	S 2	0	S 2	S 3	S 2
13.....	S 2	0	0	0	E 2	E 3	E 3	E 3	E 3	E 2	E 3	E 4	E 8
14.....	E 16	E 16	E 17	E 16	E 16	E 15	E 16	E 15	E 15	E 15	E 15	E 13	E 12
15.....	E 2	E 3	E 3	E 5	E 6	NE 6	E 6	E 3	E 3	E 3	E 4	E 5	E 5
16.....	0	0	SW 2	SW 2	0	N 2	S 3	S 3	S 3	SE 2	E 2	E 2	E 5
17.....	E 19	E 18	E 17	E 17	E 15	E 15	E 16	S 13	SE 11	E 10	E 18	SE 11	SE 11
18.....	SE 13	E 15	E 21	E 20	E 15	SW 12	S 4	E 12	E 15	E 13	E 13	E 11	E 12
19.....	E 18	E 18	E 15	E 18	E 18	NE 15	NE 18	NE 19	NE 20	NE 20	NE 18	N 16	N 18
20.....	NE 5	NE 4	NE 3	SW 3	SW 4	SW 6	S 5	S 8	S 6	S 5	S 6	SW 6	S 6
21.....	E 4	E 7	E 7	NE 5	SW 4	SW 2	SW 4	S 3	S 2	E 6	E 7	E 9	E 10
22.....	N 3	E 9	E 8	E 6	E 8	E 5	E 5	SW 4	SW 2	S 4	S 4	S 5	S 2
23.....	E 10	E 10	NE 9	NE 9	E 8	E 8	E 9	E 6	E 8	E 7	E 3	E 2	E 5
24.....	NE 2	SW 3	N 3	SW 3	0	NE 4	NE 2	E 4	E 5	E 7	E 6	E 7	E 8
25.....	NE 12	NE 10	NE 14	NE 14	NE 14	NE 14	E 12	E 13	NE 20	NE 20	NE 23	NE 23	NE 26
26.....	N 20	N 24	N 19	N 15	N 15	N 9	N 9	N 10	N 12	N 11	N 11	NW 11	N 12
27.....	E 3	SE 2	E 4	NE 8	NE 7	NE 9	N 7	NE 7	NE 8	NE 6	NE 8	E 9	E 9
28.....	E 20	E 21	E 19	E 21	E 20	E 20	E 18	E 16	E 15	E 15	E 15	E 13	E 14
29.....	E 5	E 3	S 4	SW 3	SW 4	SW 5	SW 4	S 3	S 2	S 3	SW 2	SW 4	SW 3
30.....	SW 5	SW 7	SW 7	SW 5	SW 6	SW 3	SW 5	SW 3	SW 5	SW 6	SW 6	SW 6	SW 7
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity.....	9.2	9.7	10.7	10.7	10.7	10.2	9.5	9.1	9.7	9.5	10.0	9.8	9.8

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
														Dir. Vel.
<i>Day</i>														
1.....	E 15	E 15	E 14	E 17	E 19	E 17	E 18	E 19	E 20	E 22	E 21	E	15.1	E 24
2.....	E 12	E 12	E 11	E 11	E 9	E 9	E 8	E 4	S 3	S 8	SW 5	E	13.7	E 25
3.....	E 2	0	0	0	0	0	NE 2	0	NE 7	NE 4	NE 6	SW	2.5	SW 9
4.....	E 12	E 21	E 21	E 24	E 24	E 20	E 21	E 20	E 18	E 9	SW 3	E	16.3	E 30
5.....	E 2	NE 2	NE 4	NE 5	NE 9	NE 5	NE 9	NE 5	SW 6	S 12	E 16	SW	7.9	E 29
6.....	S 15	S 20	S 19	S 26	S 24	S 27	S 21	S 14	S 17	SE 15	S 15	S	22.0	E 36
7.....	S 7	S 8	S 7	E 10	N 17	N 18	N 22	NE 19	N 19	N 18	N 14	S	11.2	N 27
8.....	NE 4	E 4	E 4	E 4	S 4	S 3	S 3	SW 7	SW 6	SW 6	SW 5	NE	7.9	E 18
9.....	E 19	E 19	E 18	E 17	E 18	E 18	E 17	E 15	E 16	E 15	E 15	E	13.3	E 22
10.....	E 15	E 16	E 15	E 13	E 12	E 12	E 9	E 9	E 10	E 11	E 11	E	14.0	E 18
11.....	E 5	E 6	E 6	E 6	E 5	E 4	E 3	E 2	E 2	SE 5	S 3	E	6.2	E 10
12.....	S 2	S 2	0	S 2	0	S 2	0	0	S 2	SW 3	S 2	S	1.6	SW 4
13.....	E 9	E 10	E 11	E 10	E 11	E 11	E 10	E 11	E 11	E 16	E 16	E	6.6	E 18
14.....	E 12	E 11	E 7	E 6	E 7	E 8	E 8	E 6	E 6	E 5	E 2	E	11.5	E 18
15.....	E 5	E 4	E 4	E 7	E 8	E 6	E 5	E 3	NE 2	E 3	N 2	E	4.3	E 9
16.....	E 5	S 4	SE 3	SW 6	S 4	SW 3	S 4	S 3	E 7	E 15	E 17	E, S	4.0	E 20
17.....	E 15	E 19	E 21	E 21	E 24	E 22	E 20	E 19	E 17	E 24	E 18	E	17.1	E 27
18.....	E 12	E 12	E 12	E 12	E 14	E 18	E 18	E 17	E 17	E 20	E 19	E	14.5	E 25
19.....	N 16	N 16	N 14	N 12	N 9	N 9	N 6	N 8	NE 6	NE 7	NE 5	N	14.1	NE 24
20.....	SW 6	SW 6	S 8	E 3	E 6	E 7	E 6	E 7	SE 6	NE 8	E 8	S	5.8	SW 11
21.....	E 10	E 9	E 10	E 7	E 6	E 9	E 9	E 12	E 12	E 11	E 11	E	7.3	E 15
22.....	S 4	E 6	SE 11	SE 10	SE 14	SE 15	SE 12	E 7	E 5	E 6	E 9	E	6.8	SE 18
23.....	E 4	E 5	E 5	E 3	W 3	W 5	W 5	W 3	SW 3	SW 6	SW 3	E	5.9	E 12
24.....	E 8	E 9	E 9	E 9	E 12	E 14	E 16	E 15	NE 14	NE 15	NE 14	E	7.9	E 18
25.....	NE 27	NE 27	NE 27	NE 28	NE 27	NE 26	NE 25	N 20	N 17	N 12	N 14	NE	19.4	NE 40
26.....	N 10	N 11	N 9	NW 7	N 6	N 5	NW 3	NW 3	N 3	N 2	N 2	N	10.0	N 32
27.....	E 9	E 11	E 12	E 14	E 17	E 18	E 18	E 20	E 21	E 20	E 21	E	11.2	E 24
28.....	E 13	E 12	E 13	E 13	E 12	E 12	E 11	E 9	E 9	E 8	E 6	E	14.4	E 25
29.....	SW 2	SW 2	SW 3	W 3	W 3	W 4	SW 4	W 3	SW 4	SW 7	SW 6	SW	3.6	SW 8
30.....	SW 5	SW 8	S 6	SW 7	S 8	S 8	S 7	S 8	S 9	S 9	SW 9	SW	6.5	S 10
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	E	E	10.1	20.2
Mean velocity.....	9.4	10.2	10.1	10.4	11.1	11.2	10.7	9.6	9.8	10.8	9.9			

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

JULY 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	SW 9	SW 8	SW 9	SW 8	SW 4	SW 6	S 6	SW 9	SW 6	SW 11	SW 11	SW 10	SW 8
2.....	S 4	SW 6	S 3	SW 7	W 7	W 5	SW 5	SW 5	S 4	S 4	S 4	E 4	E 3
3.....	S 3	S 4	S 4	S 4	S 4	S 6	SW 3	SW 4	SW 7	S 6	S 9	S 17	S 24
4.....	SW 9	SW 9	SW 6	SW 7	SW 6	SW 5	SW 3	SW 5	S 4	S 2	SW 3	SW 4	E 5
5.....	SE 2	SE 2	0	E 2	SE 5	SW 4	NE 3	NE 2	E 3	SE 4	S 5	S 6	S 7
6.....	SE 25	S 12	S 16	S 18	S 18	S 18	SW 10	SW 21	SW 21	SW 26	SW 21	SW 25	SW 15
7.....	W 3	N 2	E 3	W 4	E 4	NE 8	NE 9	N 10	NE 11	NE 12	NE 7	E 3	0
8.....	SW 5	SW 6	S 7	SW 7	SW 8	SW 8	SW 7	SW 6	SW 4	SW 2	SW 2	SW 4	SW 3
9.....	S 7	S 4	S 7	S 5	S 6	S 5	S 6	SW 5	S 5	S 3	S 3	S 6	S 6
10.....	E 9	E 8	E 9	E 9	N 4	SE 4	SW 6	SE 3	SE 3	E 7	E 5	0	0
11.....	W 7	W 13	SW 17	SW 18	SW 18	SW 20	SW 18	SW 18	SW 16	SW 20	S 18	SW 15	SW 14
12.....	SW 12	SW 13	SW 10	W 9	SW 9	SW 9	SW 9	W 12	W 12	W 10	SW 9	SW 5	SW 2
13.....	S 4	S 6	S 4	S 7	S 5	SW 4	SW 3	SW 2	S 2	S 2	S 3	S 7	S 5
14.....	E 12	E 15	E 14	E 12	E 11	E 13	E 12	E 11	E 12	E 12	E 10	E 5	S 3
15.....	SW 5	SW 4	SW 4	NE 4	NE 5	SW 3	N 2	S 6	SW 13	SW 11	S 9	SW 9	S 7
16.....	SW 3	S 3	SW 4	SW 5	S 5	0	S 4	SW 5	SW 11	SW 12	S 9	SW 5	SW 7
17.....	SW 5	W 3	S 6	S 5	NW 5	N 4	S 4	S 6	SW 6	SW 7	SW 8	SW 5	SW 5
18.....	E 8	E 9	E 6	E 7	E 8	E 6	E 7	E 8	E 12	E 10	E 12	E 13	E 18
19.....	SW 13	SW 12	S 12	SW 9	SW 9	SW 9	SW 8	W 7	W 8	W 7	SW 6	SW 9	SW 6
20.....	NW 5	NW 6	W 5	N 4	N 2	NE 4	NE 5	E 7	N 8	N 10	NW 9	NW 10	N 9
21.....	SW 9	SW 7	SW 7	SW 5	SW 6	SW 6	SW 5	SW 4	SW 4	SW 4	SW 3	S 2	E 7
22.....	S 2	S 2	S 3	SW 3	SW 4	SW 5	S 5	SE 5	SE 3	SE 3	E 2	E 2	0
23.....	S 8	SE 7	S 6	SW 4	W 3	SW 3	SE 4	SE 3	SE 2	S 2	E 2	E 2	0
24.....	W 3	SW 7	SW 7	SW 9	SW 8	SW 5	SW 7	SW 6	SW 6	SW 3	SW 5	SW 3	SW 3
25.....	SE 7	NE 2	NE 3	E 2	S 4	SW 2	SW 3	SW 3	SW 3	SW 3	SW 3	SW 2	SW 5
26.....	SW 14	SW 12	SW 13	SW 15	SW 15	SW 14	SW 12	SW 12	SW 12	SW 11	SW 13	W 12	W 11
27.....	W 4	W 4	W 4	W 5	W 6	W 6	0	W 3	W 2	SW 2	SW 11	SW 10	SW 10
28.....	S 3	S 2	S 2	S 2	S 2	0	NW 2	0	S 3	SW 3	S 3	S 3	S 3
29.....	NE 6	NE 7	E 4	NE 5	NE 4	NE 9	NE 10	E 11	E 13	E 14	E 14	E 14	E 15
30.....	E 20	E 27	E 35	E 39	SE 43	E 42	E 34	E 27	E 20	E 15	E 12	S 20	SW 14
31.....	E 15	E 22	E 23	E 22	E 20	E 21	E 21	E 19	E 21	E 21	E 22	E 21	E 21
Prevailing direction.....	SW	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Mean velocity.....	7.8	7.9	8.2	8.5	8.4	8.2	7.8	8.0	8.3	8.5	8.5	8.3	7.6

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind	
														Dir.	Vel.
<i>Day</i>															
1.....	SW 7	SW 6	SW 9	SW 7	SW 6	SW 5	SW 6	SW 7	S 6	S 4	S 5	SW	7.2	SW	12
2.....	E 2	SE 3	E 5	S 6	S 4	S 6	S 6	S 4	S 3	S 4	S 5	S	4.5	SW	10
3.....	SW 24	SW 24	SW 24	SW 27	SW 21	SW 18	SW 22	SW 14	SW 13	SW 13	SW 11	SW	13.5	SW	36
4.....	E 8	E 5	0	0	SE 2	0	S 2	S 4	S 4	S 4	SE 3	SW	4.2	SW	14
5.....	SW 7	S 8	SE 20	SE 27	SE 30	E 36	SE 32	SE 37	SE 38	SE 37	E 35	SE	14.7	SE	54
6.....	SW 15	W 13	W 15	W 12	SW 9	S 6	SW 6	S 3	S 3	S 2	S 2	SW	14.6	SW	41
7.....	SW 2	0	SW 4	SW 5	SW 3	0	0	S 3	SW 3	SW 4	SW 7	SW	4.5	NE	12
8.....	SW 3	SW 4	SW 2	SW 3	SW 3	S 3	E 4	E 6	N 5	S 5	S 4	SW	4.6	SW	9
9.....	S 7	S 6	S 5	S 4	S 3	S 5	S 3	0	S 5	N 2	S 2	S	4.8	S	12
10.....	E 2	NE 2	0	0	0	0	NE 3	NE 3	NE 5	SW 5	W 6	E	3.9	E	15
11.....	W 13	W 16	SW 20	SW 18	SW 18	SW 18	SW 20	SW 16	SW 21	SW 15	SW 12	SW	16.6	SW	26
12.....	SW 2	SW 3	SW 2	0	SW 2	E 2	E 6	E 7	E 4	SE 3	S 4	SW	6.5	SW	18
13.....	E 2	0	S 2	S 7	S 7	SE 5	S 8	S 6	S 4	S 6	N 2	S	4.3	S	9
14.....	S 3	S 2	SE 2	SE 2	0	SE 2	0	SE 3	SE 3	SW 4	SW 2	E	6.0	E	15
15.....	E 18	E 18	E 6	E 7	S 4	SW 2	SW 4	SW 3	SW 3	E 2	N 4	SW	6.4	E	21
16.....	SW 7	SW 9	SW 7	SW 9	SW 7	SW 7	SW 7	SW 5	SW 5	SW 9	S 9	SW	6.4	SW	15
17.....	SW 6	W 3	W 5	W 3	W 2	N 2	E 4	E 3	E 2	NE 4	E 5	SW	4.5	SW	9
18.....	E 13	E 9	E 8	E 5	S 5	S 7	S 6	S 7	W 8	SW 7	SW 9	E	8.7	E	19
19.....	SW 5	SW 5	SW 8	SW 9	SW 10	SW 8	NW 7	N 8	NW 10	NW 12	NW 10	SW	8.6	S	16
20.....	N 7	NW 7	SW 9	SW 7	SW 4	SW 6	SW 8	SW 5	W 6	SW 7	SW 6	SW	6.5	NW	13
21.....	E 7	E 6	E 6	E 8	S 8	S 6	S 6	S 3	0	S 2	0	SW	5.0	SW	10
22.....	0	E 2	E 2	0	SE 2	SE 3	SE 4	SE 2	SE 3	S 7	S 8	SE	3.0	SE	9
23.....	S 3	S 2	SW 4	SW 4	SW 4	SW 7	SW 5	SW 3	SW 4	SW 3	SW 3	SW	3.7	SE	10
24.....	SW 3	SW 2	SW 2	NE 2	E 3	E 3	E 5	NE 7	N 12	N 9	N 9	SW	5.4	NE	15
25.....	SW 9	S 11	SW 9	S 8	S 11	S 12	S 15	S 13	SW 12	SW 14	SW 13	SW	7.0	S	17
26.....	W 11	W 9	W 9	W 9	W 7	W 9	W 9	W 8	W 6	W 6	W 4	W	10.5	SW	15
27.....	SW 12	SW 13	SW 11	SW 9	S 7	S 9	W 8	SW 6	SW 5	SW 6	SW 5	SW	6.6	SW	16
28.....	0	S 2	S 2	S 2	0	S 2	S 3	SE 3	E 2	E 3	NE 4	S	2.1	SW	4
29.....	E 15	E 17	E 16	E 7	E 8	S 7	S 9	SW 9	S 8	SW 5	S 6	E	9.7	E	21
30.....	S 14	S 21	S 15	S 22	S 18	S 19	S 11	S 15	SW 12	S 9	S 8	S	21.3	E	58
31.....	E 20	E 18	E 16	E 17	NE 15	NE 17	NE 15	NE 16	NE 16	NE 14	NE 14	E	18.6	E	27
Prevailing direction.....	SW	SW	SW	SW	SW	S	S	SW	SW	SW	S	SW			
Mean velocity.....	8.0	7.9	7.9	8.0	7.3	7.6	7.9	7.5	7.5	7.3	7.0		7.9		18.6

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

AUGUST 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	E 12	E 15	E 15	E 14	NE 16	NE 14	NE 15	NE 14	NE 15	NE 16	NE 15	N 12	N 10
2.....	E 15	E 15	E 16	R 20	E 21	E 21	E 19	E 21	E 23	E 24	E 24	E 24	E 23
3.....	SW 10	SW 9	SW 9	SW 11	SW 12	SW 12	SW 11	S 10	S 9	S 10	S 9	S 11	S 13
4.....	SW 9	SW 8	S 6	SW 6	S 7	S 9	S 18	S 13	S 10	S 11	S 9	S 7	S 9
5.....	S 18	S 15	S 16	S 18	S 18	S 15	S 12	S 11	S 10	S 9	S 6	S 8	S 9
6.....	SW 12	SW 10	S 12	SW 12	SW 14	S 15	S 15	S 12	S 15	S 12	S 11	S 12	S 14
7.....	S 10	S 10	S 8	S 6	S 8	S 9	S 9	S 7	S 7	S 7	S 7	E 7	E 6
8.....	S 4	S 2	S 5	S 5	S 5	SW 6	SW 4	S 4	S 3	S 7	S 9	S 7	S 8
9.....	SW 4	S 5	S 6	S 5	SW 6	SW 4	S 4	SW 3	SW 4	SW 4	SW 3	SW 5	SW 4
10.....	S 3	S 3	SW 5	S 5	S 4	S 6	S 4	S 4	S 4	S 3	S 2	S 2	0
11.....	E 4	E 6	E 10	E 12	E 12	E 14	E 13	E 15	E 16	E 15	E 16	E 15	E 15
12.....	E 2	E 2	0	E 2	0	E 3	E 4	E 4	0	S 4	S 5	S 4	SW 5
13.....	SW 6	SW 6	SW 7	SW 7	SW 7	SW 9	SW 11	SW 9	SW 9	SW 7	SW 7	SW 6	W 9
14.....	W 3	0	NE 2	NE 3	NE 4	E 5	E 8	E 8	E 7	E 14	N 21	N 18	N 19
15.....	E 15	SE 15	SE 14	SE 12	SE 13	E 12	E 11	SW 12	SW 7	S 5	SW 3	W 4	SW 4
16.....	S 9	SE 21	SE 27	SE 31	SE 31	SE 30	SE 28	E 24	E 25	E 27	E 24	E 24	E 23
17.....	NE 29	NE 30	NE 34	NE 34	NE 33	NE 35	NE 30	NE 24	NE 19	NE 15	E 21	E 23	E 20
18.....	E 25	E 27	E 30	E 28	E 32	E 34	NE 35	NE 28	NE 19	E 17	E 18	E 19	E 16
19.....	E 12	E 11	E 13	E 13	E 9	E 14	E 14	E 12	E 10	E 12	E 10	E 8	E 9
20.....	E 7	E 8	E 12	S 9	E 6	E 6	E 6	N 3	S 4	S 3	S 3	S 2	SW 3
21.....	0	E 2	SW 3	E 3	NE 5	S 3	W 9	W 7	W 8	W 7	W 6	W 7	W 4
22.....	W 7	SW 9	SW 7	W 8	W 7	SW 5	W 5	W 8	W 7	SW 5	SW 8	SW 10	W 9
23.....	S 12	S 11	S 12	S 10	S 9	SW 8	SW 9	SW 7	SW 4	SW 4	SW 4	SW 3	0
24.....	NE 5	NE 5	S 5	S 5	S 5	S 5	S 5	S 4	E 3	E 2	NE 2	S 2	S 2
25.....	SW 4	SW 5	SW 4	SW 4	SW 5	SW 2	SW 3	SW 7	S 5	SW 6	S 4	S 2	SW 4
26.....	SW 3	S 4	W 7	SW 4	SE 3	SE 4	S 6	S 5	SE 3	SE 3	SE 3	E 2	0
27.....	0	S 2	0	0	SW 2	SW 3	S 2	S 2	S 3	S 4	S 2	S 3	S 2
28.....	W 3	W 3	SW 4	SW 4	SW 4	S 4	S 4	S 4	E 4	N 4	NW 4	E 3	E 9
29.....	S 2	E 2	E 2	0	E 6	N 7	N 8	E 5	E 2	N 12	N 11	NW 11	NE 8
30.....	E 15	E 15	E 14	E 15	E 13	E 14	E 12	E 11	E 8	E 3	E 2	SW 2	W 2
31.....	SW 6	SW 9	S 9	SW 7	SW 7	S 8	S 9	S 9	S 4	S 4	S 6	S 7	S 4
Prevailing direction.....	E	E	S	E	SW	S, E	S	S	S	S	S	S	S, E
Mean velocity.....	8.6	9.2	10.1	10.2	10.5	10.8	11.0	9.9	8.6	8.9	8.9	8.7	8.5

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
<i>Day</i>														
1.....	NE 9	NE 7	NE 7	NE 7	E 8	SE 7	SE 8	E 10	S 9	SE 11	SE 15	NE	11.7	E 22
2.....	SE 21	SE 24	SE 24	SE 24	SE 19	E 24	SE 24	E 21	E 23	E 18	SE 12	E	20.8	E 26
3.....	S 12	S 13	S 14	S 15	S 15	S 12	S 15	S 11	S 8	S 9	SW 12	S	11.3	S 17
4.....	S 12	S 14	S 14	S 10	S 10	S 9	S 14	S 14	S 11	S 14	S 16	S	10.8	S 25
5.....	S 7	S 7	S 6	S 8	S 8	S 6	S 10	S 12	S 12	S 10	S 12	S	11.0	S 21
6.....	S 13	S 11	S 10	S 12	S 12	S 11	S 9	S 9	S 11	S 10	S 9	S	11.8	SW 18
7.....	S 5	S 6	S 4	S 7	S 7	S 6	S 6	S 6	S 6	S 7	S 7	S	7.0	S 12
8.....	S 7	S 8	S 9	SW 8	S 8	SW 6	S 6	S 6	S 5	SW 4	SW 2	S	5.9	S 9
9.....	SW 3	SW 4	SW 5	SW 4	SW 5	SW 4	SW 3	S 5	S 3	S 5	S 5	SW	4.3	S 7
10.....	S 2	SW 2	S 2	0	SW 2	0	SW 2	SW 3	SW 3	SE 2	0	S	2.6	SW 7
11.....	E 14	E 15	SE 15	SE 12	E 10	SE 6	W 3	W 3	SW 4	W 3	SW 3	E	10.5	E 18
12.....	W 6	W 4	SW 4	W 5	W 3	SW 4	SW 4	SW 4	SW 4	SW 4	SW 5	SW	3.4	W 7
13.....	W 7	W 7	W 5	W 6	W 6	W 4	W 4	W 3	W 5	W 4	W 3	SW, W	6.4	SW 12
14.....	N 15	N 16	N 15	N 13	NE 12	E 10	E 12	E 14	E 15	E 15	E 17	E	11.1	N 21
15.....	SW 2	S 2	0	NW 5	SW 7	S 6	S 10	S 9	S 9	S 8	S 8	S	8.0	E 18
16.....	NE 25	NE 26	NE 17	E 27	E 27	E 24	E 24	E 28	E 28	E 21	NE 25	E	24.8	SE 40
17.....	E 15	E 7	NE 4	SW 10	SW 12	SW 12	S 8	SE 15	SE 21	SE 24	E 26	NE	20.9	NE 44
18.....	E 11	E 11	NE 8	SE 7	E 9	E 4	E 9	E 4	E 6	E 12	E 12	E	17.5	NE 37
19.....	E 11	E 10	E 10	E 9	E 11	E 10	E 9	E 10	E 9	E 8	E 8	E	10.5	E 21
20.....	SW 2	W 3	W 2	0	W 5	W 5	S 2	W 4	W 3	SW 4	W 4	W	4.4	E 15
21.....	W 5	W 5	W 6	W 6	W 7	W 7	W 5	W 5	W 4	W 8	W 7	W	5.4	W 9
22.....	SW 12	SW 18	SW 16	SW 15	SW 15	SW 18	W 18	S 16	S 16	S 12	S 15	SW	11.1	W 21
23.....	SW 2	0	E 2	E 5	E 6	E 6	E 6	SW 6	E 6	E 5	E 5	SW	5.9	S 15
24.....	SW 2	SW 3	SW 3	SW 3	SW 2	SW 4	0	SW 2	SW 3	SW 2	SW 2	SW	3.2	SW 5
25.....	SW 2	SW 3	SW 3	S 2	S 3	S 2	S 3	SW 4	SW 4	SW 4	S 5	SW	3.8	S 7
26.....	NE 3	E 4	SE 3	S 3	S 4	SE 2	S 2	S 4	0	0	E 3	S, SE	3.1	S 11
27.....	S 3	S 4	S 4	S 4	S 4	S 3	SW 3	SW 4	S 4	SW 4	SW 4	S	2.8	S 6
28.....	NE 8	NE 2	NE 2	NE 3	E 4	S 4	0	S 2	NE 2	E 2	SW 2	E	3.5	N 10
29.....	NE 10	NE 13	N 12	N 12	N 11	NE 12	E 12	E 13	E 15	E 15	E 15	E	8.9	E 16
30.....	W 3	W 4	SW 6	S 8	S 4	SW 6	SW 4	SW 3	W 2	SW 3	E 3	E	7.2	E 18
31.....	S 2	S 5	S 6	S 5	S 5	S 7	SW 4	SW 5	S 2	SW 4	S 4	S	5.8	SW 12
Prevailing direction.....	S	S	S	S	S	S	S	S	S	S	S	S	8.0	17.2
Mean velocity.....	8.1	8.3	7.7	8.2	8.4	7.8	7.7	8.2	8.2	8.0	8.6			

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

SEPTEMBER 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 1800th meridian time]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	S 4	S 3	0	SW 4	S 2	S 3	S 2	S 2	0	0	S 3	S 2	0
2.....	SW 5	S 6	W 5	S 7	S 9	SW 10	SW 8	SW 8	S 8	S 8	S 6	S 7	S 9
3.....	SW 11	SW 12	SW 11	SW 13	SW 11	SW 12	SW 12	SW 12	SW 12	SW 12	W 12	SW 11	W 13
4.....	S 4	SW 2	W 3	S 2	SW 2	SW 2	0	SW 4	W 2	W 2	W 3	SW 4	S 3
5.....	W 4	S 2	0	0	0	0	S 2	0	0	0	SW 2	NW 3	NW 2
6.....	N 4	SW 4	SW 6	SW 6	SW 5	SW 4	SW 7	W 7	SW 8	W 6	W 8	W 7	W 9
7.....	SW 9	S 9	S 5	SW 4	SW 6	SW 9	SW 7	S 6	S 6	S 3	W 4	SW 6	SW 4
8.....	E 13	E 16	E 17	E 19	E 19	E 18	E 18	E 18	SE 17	SE 15	E 15	E 9	S 7
9.....	S 2	SW 4	S 2	0	0	0	S 2	S 6	S 5	S 4	S 3	S 4	S 2
10.....	SW 11	S 11	S 13	SW 12	S 10	SW 11	SW 13	SW 11	SW 9	S 6	S 7	W 9	SW 8
11.....	E 3	SE 3	E 2	S 2	0	E 3	SE 6	S 4	S 7	S 8	S 8	S 4	S 8
12.....	0	0	NE 2	E 5	E 6	E 4	E 2	E 6	E 6	E 3	E 2	SE 4	S 4
13.....	E 7	E 7	E 8	E 10	E 13	E 12	E 13	E 12	E 14	E 15	E 17	E 17	E 18
14.....	SW 2	S 3	SE 3	W 2	E 2	E 2	E 2	E 2	E 2	E 4	E 5	E 5	E 3
15.....	E 5	E 8	N 5	E 9	E 9	E 10	E 9	E 3	E 5	E 5	E 5	E 9	E 10
16.....	S 8	S 7	S 8	S 9	S 8	S 6	S 9	SW 9	S 10	S 11	S 10	S 9	S 12
17.....	SW 5	S 6	S 6	S 6	S 6	S 6	S 7	S 8	S 5	E 6	E 5	E 3	E 16
18.....	SE 26	SE 29	SE 30	SE 27	E 34	SE 35	E 27	E 26	E 22	E 24	SE 21	SE 15	S 9
19.....	W 13	SW 12	S 10	SW 14	SW 14	SW 15	S 14	SW 17	SW 18	S 18	S 18	S 17	SW 15
20.....	W 9	W 9	W 9	W 10	SW 9	SW 12	SW 9	W 8	W 9	SW 4	SW 6	SW 4	SW 5
21.....	E 3	E 2	S 5	S 9	S 15	S 17	S 12	SW 14	SW 15	S 15	SW 11	S 12	S 6
22.....	S 16	SW 13	SW 16	SW 15	SW 14	SW 12	SW 14	SW 12	SW 12	SW 12	SW 11	SW 14	SW 17
23.....	W 3	SW 5	E 3	E 3	E 7	0	SW 3	SW 4	SW 5	SW 5	SW 5	SW 5	SW 6
24.....	E 20	E 21	E 19	E 14	SE 14	SE 10	SE 10	SE 10	SE 11	SE 8	S 9	SW 6	SW 9
25.....	SW 3	SW 6	SW 3	SW 4	NE 7	E 10	E 15	E 15	E 15	E 16	E 19	E 18	E 20
26.....	S 5	SE 7	S 5	S 5	S 5	S 6	SW 4	S 6	S 8	S 8	S 9	S 7	S 3
27.....	S 4	S 4	S 4	S 3	S 5	S 4	S 2	S 4	SW 4	SW 4	SW 5	SW 9	SW 4
28.....	S 4	S 8	S 6	S 5	S 5	S 4	S 8	SW 8	SW 5	SW 7	S 8	S 9	S 9
29.....	S 5	S 5	S 4	S 3	S 3	S 2	S 4	E 4	E 3	S 4	SE 4	SE 3	SE 5
30.....	S 6	S 5	S 4	E 5	E 9	E 12	E 10	E 11	E 12	E 12	E 13	E 13	N 12
Prevailing direction.....	S	S	S	S	S	SW	S	SW	SW	S	S	S	S
Mean velocity.....	7.1	7.6	7.1	7.6	8.3	8.3	8.4	8.5	8.4	8.1	8.4	8.5	8.3

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind		
														Dir.	Vel.	
Day																
1.....		S 3	S 2	S 3	S 2	S 2	SW 2	SW 3	S 2	SW 2	SW 3	S	2.0	S	7	
2.....	S 9	S 9	S 9	SW 11	SW 12	SW 11	S 9	S 9	S 8	SW 10	SW 12	S	8.5	SW	13	
3.....	SW 12	SW 13	SW 13	SW 13	SW 15	W 12	SW 11	SW 9	SW 7	SW 8	SW 5	SW	11.3	SW	18	
4.....	S 4	SW 4	SW 5	W 3	W 5	W 5	W 5	W 7	W 6	W 6	W 6	W	3.7	W	8	
5.....	N 5	N 3	NW 10	W 7	W 7	W 5	W 3	W 5	SW 5	NW 3	S 3	W	2.0	NW	14	
6.....	SW 10	SW 10	SW 12	SW 6	W 9	SW 10	SW 12	S 9	SW 9	SW 6	SW 3	SW	7.4	SW	18	
7.....	SW 3	SW 5	0	SW 2	0	S 3	0	NE 4	E 4	E 8	E 9	SW	4.8	S	12	
8.....	S 5	S 9	S 8	SW 8	SW 8	S 6	S 8	SW 7	S 5	S 4	S 3	E	11.3	E	21	
9.....	S 6	S 9	S 6	0	S 3	S 5	S 6	S 5	SE 3	W 2	SW 6	S	3.5	S	11	
10.....	S 6	SW 8	SW 9	SE 4	SE 6	E 8	E 3	NE 2	E 5	E 7	E 6	SW	8.1	S	21	
11.....	S 9	S 9	S 8	SW 9	SW 9	S 4	SE 9	E 5	W 4	SW 4	E 3	S	5.3	SW	13	
12.....	SW 5	SW 3	SW 6	SW 6	S 4	S 2	E 3	SE 2	0	E 4	E 6	E	3.4	E	8	
13.....	E 19	E 21	E 20	E 24	E 24	E 19	E 15	E 16	S 10	S 6	NE 4	E	14.2	E	29	
14.....	NE 4	E 2	E 3	E 8	E 8	E 9	NE 8	E 9	E 8	E 7	E 7	E	4.6	E	9	
15.....	E 7	E 6	E 6	E 4	E 3	E 4	E 3	E 3	SE 4	S 4	S 8	E	6.0	E	13	
16.....	SW 12	SW 11	SW 9	SW 7	SW 6	SW 5	SW 6	SW 6	SW 6	S 5	SW 5	S	8.1	S	14	
17.....	E 18	E 18	E 20	E 21	E 20	E 19	E 18	SE 17	SE 18	E 17	SE 20	E	12.4	E	32	
18.....	S 8	S 9	S 6	SW 9	SW 9	SW 11	S 12	S 14	SW 12	W 12	SW 13	SE	18.3	E	36	
19.....	SW 18	SW 13	W 13	SW 12	W 9	W 9	W 12	W 12	W 11	W 12	W 10	SW	13.6	S	22	
20.....	SW 9	SW 9	SW 9	SW 9	SW 13	SW 9	SW 9	SW 9	S 8	SE 7	E 5	SW	8.3	SW	14	
21.....	S 4	S 6	S 12	S 14	S 15	S 19	S 18	S 17	S 16	SW 16	SW 15	S	12.0	S	20	
22.....	SW 15	SW 13	SW 18	SW 17	SW 12	SW 13	SW 8	S 8	S 9	W 9	W 7	SW	12.8	SW	20	
23.....	SW 7	SW 6	SW 6	SW 6	SW 5	SW 2	S 5	S 7	S 8	S 8	E 10	SW	5.2	SW	16	
24.....	S 13	S 11	S 13	S 12	SW 12	S 8	S 9	S 11	S 11	SW 5	SW 5	S	11.3	E	22	
25.....	E 18	E 18	E 18	E 15	E 12	E 9	E 9	E 14	E 12	E 7	SE 6	E	12.0	E	21	
26.....	S 4	S 4	S 6	S 8	SE 8	SE 7	E 3	S 7	S 7	S 6	S 2	S	6.0	S	10	
27.....	SW 8	SW 6	SW 8	S 7	S 7	SW 9	SW 7	S 6	S 7	S 9	S 6	S	5.7	S	12	
28.....	S 12	S 11	S 7	S 7	S 7	S 4	S 2	SW 6	S 4	S 3	S 3	S	6.3	S	15	
29.....	SE 5	E 6	E 5	SE 6	S 6	S 4	0	S 3	S 2	0	S 3	S	3.7	E	7	
30.....	N 17	N 19	N 18	N 20	N 19	NE 21	NE 21	NE 22	NE 21	E 20	E 18	E	14.2	N	27	
Prevailing direction.....	S	SW	S, SW	SW	SW	S	S	S	S	S	SW	S	8.2			
Mean velocity.....	9.1	9.1	9.5	9.3	9.2	8.5	7.9	8.5	7.7	7.2	7.1					16.7

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

OCTOBER 1929

(The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time)

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1	E 22	E 24	E 24	E 24	E 24	E 21	E 24	E 24	E 23	E 21	SE 21	SE 21	E 18
2	W 8	E 6	SE 3	S 6	SW 5	W 6	W 7	W 8	W 7	W 8	W 8	W 5	SW 5
3	S 3	S 3	S 2	S 2	S 2	S 3	SW 4	W 5	W 4	W 3	SW 2	SW 3	W 5
4	W 6	W 6	W 5	W 5	W 6	SW 6	SW 4	SW 6	SW 5	W 5	SW 4	W 5	W 4
5	E 9	NE 12	E 12	E 12	E 12	NE 12	E 11	E 8	E 6	E 7	E 12	E 14	S 5
6	SW 6	W 8	SW 8	SW 9	S 9	S 12	S 9	S 14	S 16	S 15	SW 11	SW 11	S 8
7	SW 7	SW 6	SW 6	SW 3	SW 4	SW 3	S 2	E 4	E 10	E 8	E 11	E 12	E 14
8	E 14	E 14	E 14	E 14	E 12	E 12	E 14	E 14	E 16	E 15	E 15	E 15	E 13
9	E 9	E 9	SE 10	SE 10	SE 9	SE 10	SE 9	E 7	E 5	E 5	S 8	S 8	S 8
10	SW 7	SW 12	SW 9	S 7	S 11	S 9	S 12	S 12	S 14	S 13	SW 12	SW 12	SW 14
11	S 4	S 2	S 4	S 3	S 3	S 3	SW 5	SW 9	SW 12	SW 15	SW 15	SW 15	S 15
12	SW 4	SW 7	SW 3	SW 3	NE 2	N 5	E 4	E 14	E 21	E 23	E 24	E 24	E 23
13	SE 8	NE 9	E 4	SW 3	S 4	SW 4	E 2	E 3	E 3	S 5	S 4	S 4	S 4
14	S 3	E 6	SE 6	S 8	S 6	S 6	SW 4	S 6	S 3	S 3	S 3	S 3	E 6
15	NE 10	NE 11	NE 12	NE 11	NE 12	S 12	S 12	E 13	E 12	E 9	E 8	SE 8	S 10
16	W 2	S 4	S 6	S 5	SW 3	SE 4	W 6	S 5	S 5	SE 3	W 4	SW 5	SW 5
17	E 9	E 9	E 10	E 9	E 8	E 9	E 11	E 12	E 12	E 13	E 12	E 12	E 15
18	S 9	S 9	SE 8	E 9	S 6	SE 9	SE 9	SE 11	E 6	E 11	E 15	E 15	E 15
19	E 13	E 15	E 13	E 13	E 12	E 13	E 15	E 15	E 15	E 15	E 15	E 14	E 14
20	E 8	E 11	E 9	E 6	E 4	S 4	S 4	S 4	E 10	E 12	E 14	E 12	E 13
21	E 12	E 15	E 15	E 18	E 21	E 19	E 17	E 15	E 13	E 18	E 18	E 18	SE 16
22	W 8	SW 8	SW 8	SW 9	SW 10	S 11	S 12	SW 13	SW 14	SW 15	S 15	S 15	SW 15
23	S 7	E 6	E 10	E 12	E 15	E 17	E 19	E 19	E 20	E 18	E 20	E 18	E 17
24	E 13	E 12	E 12	E 11	E 12	E 7	E 10	SE 10	SE 9	SE 8	E 5	E 5	E 8
25	E 8	NE 6	NE 5	E 5	E 2	E 3	0	S 3	S 4	S 6	S 6	S 5	SW 4
26	SW 3	SW 3	SW 3	SW 4	SW 2	SE 3	SE 4	S 6	S 6	S 6	S 6	S 4	S 6
27	SW 6	SW 3	SW 4	N 3	S 4	S 8	S 8	S 7	S 9	S 9	S 6	SW 10	S 11
28	S 7	SW 7	S 9	S 7	S 6	S 5	SW 7	W 7	SW 6	S 8	S 5	S 5	S 9
29	W 7	W 4	W 6	W 5	W 5	SW 3	SW 3	W 7	W 6	W 5	W 5	W 5	W 3
30	E 4	E 3	E 2	E 2	SE 2	SE 3	E 5	E 8	E 10	E 9	SE 8	E 7	E 8
31	E 11	E 13	E 11	E 11	E 12	E 12	E 9	E 8	E 7	E 10	E 9	E 9	N 6
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	8.0	8.5	8.2	8.0	7.9	8.2	8.5	9.6	10.0	10.4	10.4	10.4	10.2

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
														Dir. Vel.
<i>Day</i>														
1	E 18	E 15	E 15	E 15	E 18	E 17	E 15	E 14	E 13	E 10	E 10	E	18.8	E 20
2	SW 9	SW 7	W 9	SW 6	SW 7	W 4	W 3	SW 5	S 9	S 8	S 6	W	6.5	S 12
3	W 6	W 6	W 8	W 6	W 7	W 6	SW 7	W 7	W 7	SW 9	SW 5	W	4.8	SW 11
4	W 4	W 3	W 3	SW 3	S 3	SW 3	E 5	E 8	E 11	NE 9	E 9	W	5.3	E 13
5	S 7	S 7	S 6	S 8	S 4	S 5	S 6	S 5	S 8	S 7	S 5	S	8.3	E 16
6	S 9	S 12	S 14	S 10	S 11	S 9	S 9	S 9	SW 9	SW 9	SW 6	S	10.1	S 18
7	E 13	E 13	NE 11	NE 12	NE 12	E 12	E 12	E 12	E 13	E 13	E 15	E	9.5	E 15
8	E 12	E 13	E 13	E 12	E 12	E 12	E 9	E 10	E 10	E 11	E 9	E	12.7	E 17
9	S 9	S 13	S 12	S 14	S 9	S 7	S 9	S 9	S 10	SW 8	SW 9	S	9.0	S 16
10	SW 10	SW 11	S 15	SW 7	SW 5	SW 9	S 4	S 4	S 4	S 5	S 5	S	9.3	SW 18
11	S 15	S 10	S 11	S 13	S 9	S 8	S 7	S 7	S 7	S 4	SW 6	S	8.4	S 19
12	E 20	E 22	E 21	E 19	E 13	E 12	E 9	E 12	E 8	E 5	E 7	E	12.8	E 29
13	S 5	S 5	S 6	S 9	S 9	S 6	S 5	S 4	SE 2	S 3	S 3	S	4.8	S 12
14	E 7	E 4	E 9	N 8	N 5	N 6	N 9	NE 9	E 8	NE 10	NE 10	S	6.3	NE 13
15	SE 9	E 9	S 6	S 3	S 6	N 4	N 5	N 4	W 5	W 5	W 3	E	8.3	E 16
16	SW 4	SW 6	S 8	S 6	S 3	S 6	S 9	S 9	SE 6	SE 6	E 7	S	5.3	S 10
17	E 15	E 15	E 13	E 14	E 15	E 13	E 12	E 8	E 9	E 7	E 7	E	11.2	E 16
18	E 17	E 16	E 15	E 16	E 17	E 17	E 16	E 15	E 15	E 12	E 14	E	12.6	E 18
19	E 15	E 14	E 13	E 13	E 13	E 12	E 10	E 9	E 9	E 8	E 6	E	12.7	E 17
20	E 15	E 13	E 14	E 15	E 16	E 15	E 15	E 15	E 15	E 15	E 15	E	11.4	E 17
21	S 12	S 11	S 10	S 10	S 13	S 14	SW 17	SW 15	W 9	S 11	S 9	E	14.4	E 21
22	S 16	S 15	S 15	S 14	SW 12	SW 13	SW 14	S 13	S 8	S 8	S 7	S	12.0	S 22
23	E 15	E 14	E 13	E 12	E 14	E 13	E 9	E 8	NE 9	N 7	E 10	E	13.4	E 22
24	SE 12	SE 12	SE 11	SE 12	SE 12	SE 11	SE 12	SE 10	SE 9	SE 8	SE 7	SE	9.9	E 15
25	SW 5	SW 5	SW 4	SW 4	SW 4	SW 3	SW 3	SW 3	SW 3	SW 6	SW 3	SW	4.2	E 8
26	S 5	S 7	S 5	S 5	S 5	SW 7	SW 6	SW 5	S 8	SW 8	SW 6	S	5.1	S 8
27	S 10	S 9	S 11	S 12	S 10	S 9	SW 7	SW 10	S 9	S 9	SW 9	S	8.0	S 13
28	S 9	S 8	S 7	S 8	SW 5	SW 5	SW 5	W 5	W 7	W 5	W 7	S	6.6	W 12
29	W 6	W 5	W 6	W 5	W 4	W 3	W 2	W 4	W 3	E 3	E 7	W	4.7	E 8
30	E 12	E 12	E 12	E 12	E 9	E 10	E 9	E 6	N 7	NE 7	E 11	E	7.4	E 13
31	N 7	N 5	N 6	N 4	N 4	N 3	N 4	N 3	S 4	S 4	E 3	E	7.3	E 14
Prevailing direction	E	E	S	S	S	E	E	E	E	E, S	E	E		
Mean velocity	10.6	10.2	10.4	9.9	9.2	8.8	8.5	8.3	8.2	7.7	7.6		9.1	15.6

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

NOVEMBER 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time.]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	E 3	E 3	E 2	E 2	NE 4	NE 4	E 6	E 4	E 3	E 6	E 6	E 9	E 8
2.....	NE 3	N 7	N 3	SE 3	E 7	E 5	E 5	E 7	E 9	E 9	E 9	E 9	E 10
3.....	E 12	E 13	E 13	E 12	E 11	E 10	E 10	E 9	E 9	E 9	E 9	E 9	E 6
4.....	NE 11	NE 9	N 9	N 11	N 12	N 11	N 9	N 7	N 8	N 6	N 7	NE 8	E 8
5.....	E 15	E 15	E 17	SE 18	S 14	S 13	S 14	S 12	S 12	S 12	S 11	S 12	S 12
6.....	SE 5	SE 2	SE 5	SE 7	E 8	NE 6	SE 7	SE 7	E 7	SE 8	SE 9	SE 8	SE 8
7.....	S 11	S 6	S 7	S 7	SW 7	W 6	W 7	W 6	SE 2	SE 2	SE 3	0	E 6
8.....	W 4	E 4	E 9	N 7	N 2	E 4	W 9	NW 10	N 6	N 12	N 16	N 15	N 18
9.....	E 6	E 4	E 4	E 3	E 7	E 8	E 9	NE 9	NE 9	N 8	N 9	N 6	NE 9
10.....	E 15	E 14	E 14	E 15	E 14	E 15	E 15	E 14	E 9	E 10	E 9	E 7	E 7
11.....	S 4	S 4	S 3	S 3	S 3	S 3	S 6	SW 3	S 4	S 8	SW 9	SW 9	E 9
12.....	S 3	S 5	S 7	S 3	S 3	S 3	S 4	SE 6	E 10	E 11	E 13	E 11	E 11
13.....	E 13	E 14	E 13	E 12	SW 6	SW 2	SW 2	SW 2	SW 2	0	S 4	S 6	S 5
14.....	E 10	E 9	E 15	E 13	E 13	E 15	E 16	E 18	E 19	E 18	E 18	E 18	E 20
15.....	NE 3	E 7	SE 8	SE 7	E 6	E 5	E 4	E 7	E 6	E 6	E 5	E 5	E 5
16.....	E 10	E 7	E 9	E 12	E 12	E 12	E 14	E 14	E 15	E 15	E 15	E 16	E 16
17.....	S 18	S 12	SE 11	SE 15	S 12	S 8	S 6	SW 6	SW 4	SW 3	SW 3	SW 4	SW 3
18.....	S 5	S 4	S 6	S 3	S 3	S 4	S 4	W 6	SW 6	W 7	W 7	W 14	W 11
19.....	SW 6	SW 7	S 7	S 6	S 4	SE 3	E 11	E 12	E 11	E 11	E 11	SE 9	7
20.....	SW 11	SW 12	W 9	W 7	W 7	W 8	W 7	W 6	W 4	SW 5	SW 6	SW 5	SW 4
21.....	S 4	W 3	SW 7	SW 6	SW 9	SW 9	SW 9	W 9	W 9	SW 9	SW 9	W 8	W 10
22.....	W 13	NW 12	W 13	NW 14	W 13	W 6	W 4	W 4	E 3	E 3	E 3	E 5	E 7
23.....	E 11	E 12	E 12	E 9	E 9	E 7	E 7	SW 4	S 4	S 5	S 3	S 4	S 3
24.....	E 15	E 16	E 16	E 15	E 16	E 17	E 18	E 17	E 17	E 17	E 16	E 15	E 15
25.....	E 6	E 5	E 4	E 3	E 2	S 2	S 3	S 4	N 3	N 4	N 7	N 9	W 6
26.....	SW 11	SW 9	SW 9	SW 9	SW 9	SW 9	SW 9	SW 9	SW 8	S 8	SW 9	S 11	S 9
27.....	SW 5	SW 5	SW 2	SW 2	SW 2	E 2	E 5	E 9	E 12	E 14	E 16	E 17	E 18
28.....	E 16	E 16	E 14	E 14	E 14	E 15	E 15	E 15	E 13	E 12	E 12	E 12	E 11
29.....	NE 7	E 9	E 7	E 3	SE 5	SE 2	SE 2	E 3	E 2	E 2	E 3	E 2	NE 3
30.....	E 14	E 17	E 16	E 17	E 18	E 19	E 19	E 18	E 18	E 16	E 17	E 16	E 16
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity.....	9.0	8.7	9.0	8.6	8.5	7.9	8.5	8.5	8.1	8.5	9.1	9.2	9.4

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
<i>Day</i>														
1.....	W 6	W 8	W 5	W 4	W 5	W 4	W 4	W 9	W 8	W 6	N 3	E	5.1	E 9
2.....	E 11	E 10	E 12	E 11	E 11	E 12	E 12	E 12	E 12	E 11	E 12	E	8.8	E 14
3.....	E 6	E 9	E 9	E 6	E 9	E 9	NE 10	E 9	E 9	NE 11	NE 11	E	9.5	E 15
4.....	SE 11	E 12	E 12	E 13	E 13	E 14	E 15	E 13	E 15	E 15	E 14	E	11.0	E 20
5.....	S 13	S 12	S 12	S 12	S 13	S 13	S 12	SE 10	S 8	S 4	SE 5	S	12.1	E 18
6.....	SE 8	SE 8	SE 4	SE 5	S 5	S 6	S 8	S 8	S 8	S 11	S 12	SE	7.1	S 16
7.....	E 9	E 12	E 14	E 13	E 5	E 3	N 12	N 12	N 11	N 12	W 9	E	7.6	E 21
8.....	NW 13	N 7	N 8	N 13	N 6	W 7	SW 3	E 5	E 6	E 8	E 7	N	8.3	N 21
9.....	NE 9	E 9	E 9	NE 7	NE 9	NE 9	NE 10	E 10	E 14	E 15	E 15	E	8.6	E 18
10.....	S 6	S 6	S 4	S 5	S 7	S 7	S 9	SW 7	S 6	S 5	S 5	E	9.5	E 15
11.....	S 8	S 10	S 9	S 8	S 9	S 5	S 7	S 5	S 3	S 4	S 2	S	5.8	S 10
12.....	E 14	E 15	E 15	E 16	E 15	E 15	E 15	E 15	E 14	E 13	E 12	E	10.5	E 16
13.....	S 4	S 4	S 2	S 5	S 4	E 6	E 10	E 8	E 10	E 11	E 12	E	6.5	E 15
14.....	E 19	E 18	E 18	E 15	E 18	E 16	E 12	E 7	E 5	E 5	E 7	E	14.3	E 22
15.....	S 5	S 6	S 6	E 5	E 3	E 5	E 6	E 6	E 9	E 11	E 12	E	6.2	E 12
16.....	E 18	E 19	E 19	E 18	E 19	E 18	E 17	E 19	E 18	E 16	E 18	E	15.3	E 21
17.....	S 7	S 8	S 6	S 7	S 7	S 12	S 12	S 9	S 6	S 4	S 5	S	7.8	S 20
18.....	SW 12	SW 11	SW 9	SW 10	SW 9	S 3	S 6	S 3	SW 4	SW 3	SW 6	S	6.8	W 15
19.....	S 6	S 8	S 12	S 11	SW 8	SW 8	SW 6	SW 9	SW 7	SW 7	SW 9	SW	8.2	E 15
20.....	SW 2	SW 2	SW 2	E 3	E 5	E 6	E 3	E 4	E 5	E 6	SW 4	SW	5.5	SW 15
21.....	SW 12	W 11	W 9	W 9	W 9	W 12	W 12	W 10	W 11	W 14	W 14	W	9.3	W 14
22.....	E 6	E 8	E 8	E 9	E 9	SE 12	SE 13	E 12	E 11	E 7	E 10	E	8.5	NW 16
23.....	S 2	SW 2	SW 3	0	E 2	E 4	E 4	E 9	E 10	NE 9	E 10	E	6.0	E 15
24.....	E 13	E 13	E 12	E 11	E 9	E 9	E 8	E 8	E 9	E 6	E 6	E	13.1	E 19
25.....	W 10	W 14	SW 12	SW 12	SW 12	SW 11	SW 11	SW 11	SW 12	SW 9	SW 9	SW	7.5	W 16
26.....	S 13	S 14	S 13	S 14	S 14	S 14	S 12	S 9	S 7	S 7	SW 7	S	10.0	S 17
27.....	E 18	E 18	E 18	E 18	E 16	E 15	E 13	E 15	E 18	E 18	E 18	E	12.1	E 19
28.....	E 12	E 14	E 15	E 14	E 16	E 17	E 15	E 14	E 13	E 13	E 11	E	13.9	E 19
29.....	NE 7	NE 4	E 6	E 3	E 8	NE 11	NE 11	N 15	N 15	N 13	E 13	E	6.5	SE 16
30.....	E 16	E 16	E 15	E 14	E 14	SE 13	SE 13	SE 11	SW 7	SW 3	SW 3	E	14.4	E 19
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	E	E	9.2	16.6
Mean velocity.....	9.9	10.3	9.9	9.7	9.6	10.1	10.0	9.8	9.7	9.2	9.4			

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

DECEMBER 1929

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SW 4	SW 7	SW 3	SW 3	SW 3	SW 8	S 9	S 12	S 11	S 6	S 8	S 7	S 8
2	S 2	S 2	0	SW 2	SW 3	S 4	S 5	S 4	S 5	S 4	SW 5	SW 4	SW 4
3	E 5	S 5	S 4	S 2	S 4	S 6	SW 5	S 7	S 7	S 6	S 8	S 7	S 7
4	SE 5	E 15	E 15	E 16	E 15	E 15	E 15	E 14	E 13	E 12	S 9	S 7	S 4
5	S 7	SW 7	SW 6	SW 6	SW 3	SW 6	SW 7	SW 6	SW 6	SW 6	SW 9	SW 9	SW 9
6	0	0	SW 2	SW 2	SW 4	SW 3	SW 3	SW 4	SW 4	SW 4	SW 6	SW 4	S 6
7	S 6	S 7	S 5	S 4	S 3	S 4	S 5	S 6	S 7	S 8	S 9	S 9	S 8
8	E 7	E 8	E 7	E 9	E 10	E 8	E 7	E 8	E 9	E 9	E 9	E 9	E 8
9	SW 9	SW 6	SW 6	SW 5	SW 4	S 3	S 3	S 2	S 3	S 2	S 3	SW 4	SW 3
10	SW 3	0	SW 5	SE 3	E 7	E 9	E 12	E 12	E 12	E 13	E 15	E 16	E 17
11	SE 13	SE 13	SE 13	SE 12	S 12	S 12	S 12	S 12	S 12	S 10	S 10	S 12	S 12
12	W 5	W 7	W 7	W 9	SW 9	SW 6	SW 6	SW 4	SW 5	SW 5	SW 5	SW 4	SW 4
13	NW 4	W 4	W 6	W 5	W 7	SW 5	S 6	S 3	S 3	S 3	S 3	S 3	S 3
14	S 8	SE 9	E 6	E 8	E 7	E 6	E 6	S 3	S 3	S 3	S 3	S 3	S 3
15	SW 6	SW 4	SW 3	SW 3	SW 2	S 3	SE 5	NE 9	NE 12	NE 12	NE 14	NE 15	N 15
16	SW 5	SE 4	E 7	E 9	E 9	E 11	E 12	E 12	E 12	E 13	E 13	E 14	E 13
17	E 11	E 14	SE 14	SE 14	SE 15	SE 10	S 8	S 5	S 5	S 5	SE 2	SE 3	E 7
18	E 14	SE 14	E 14	E 13	SE 12	E 11	E 9	E 8	E 8	E 8	E 9	E 9	E 9
19	E 8	NE 8	NE 9	NE 7	E 7	E 7	E 7	E 7	E 7	E 7	E 7	E 7	E 7
20	S 12	S 12	E 12	E 14	SE 14	SE 16	SE 18	SE 19	SE 18	E 16	E 15	E 14	E 16
21	E 14	E 14	E 15	E 16	E 15	E 16	E 15	E 16	E 14	E 14	E 15	E 15	E 15
22	E 12	E 12	E 15	E 13	E 14	E 12	E 13	E 15	E 14	E 15	E 17	E 18	E 17
23	E 13	E 12	E 11	E 12	E 14	E 15	E 14	E 18	E 18	E 18	E 17	E 18	E 17
24	N 12	N 9	N 9	N 9	N 11	N 12	N 12	N 12	N 12	N 10	N 9	N 7	N 12
25	N 8	N 9	N 9	N 9	N 6	N 9	N 9	N 9	N 9	N 10	N 11	NW 8	NW 11
26	N 15	N 16	N 17	N 16	N 15	N 15	N 15	N 16	N 16	N 14	N 11	NW 8	NW 11
27	W 4	SW 4	SW 3	SW 3	W 5	W 5	NW 6	NW 6	W 6	W 6	W 3	W 3	E 8
28	SE 3	SE 7	SE 3	SE 3	SE 3	S 3	S 3	S 4	0	SE 2	SE 3	W 7	E 8
29	N 7	NE 9	NE 9	E 9	E 8	E 8	E 7	E 3	E 3	E 3	E 6	E 3	E 5
30	SW 7	S 9	S 9	S 9	S 9	S 8	S 6	E 9	E 11	SE 13	SE 12	SE 12	SE 9
31	SE 9	SE 9	SE 9	S 9	S 10	S 8	S 8	S 10	S 11	S 10	S 12	S 12	S 12
Prevailing direction	E	SE, E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	7.6	8.3	8.2	8.2	8.4	8.5	8.6	9.0	9.2	9.1	9.3	9.2	9.6

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
Day														
1	S 6	SW 5	W 6	SW 8	S 9	S 4	S 3	S 3	S 2	S 2	S 3	S	5.8	S 13
2	SW 4	SW 4	SW 3	SW 3	E 4	E 3	E 3	E 4	E 5	E 5	E 3	SW	3.5	E 7
3	S 9	S 7	S 8	S 9	S 9	S 8	S 7	S 4	S 4	S 6	S 5	S	6.1	S 9
4	S 4	S 5	S 7	S 8	S 9	S 8	SW 5	SW 5	S 5	S 4	S 5	S	9.2	E 16
5	SW 9	SW 8	SW 7	SW 5	SW 3	0	SW 2	0	SW 3	SW 2	0	SW	5.3	SW 10
6	SW 5	SW 4	SW 3	0	E 2	E 2	E 2	E 4	E 6	E 6	S 4	SW	3.3	E 7
7	SW 9	SW 9	SW 7	W 7	W 6	W 4	W 3	W 2	E 3	S 2	E 4	S, W	5.7	SW 14
8	E 8	E 4	SW 3	S 2	S 7	SW 8	SW 10	SW 9	SW 9	SW 9	SW 10	E	7.8	SW 12
9	W 5	W 5	SW 5	SW 5	SW 4	SW 4	SW 5	SE 5	SW 4	SW 4	SE 2	SW	4.2	SW 11
10	E 17	E 17	E 17	E 17	E 16	SE 15	SE 16	SE 17	SE 16	SE 15	SE 14	E	12.5	SW 19
11	SW 12	SW 12	SW 11	W 10	W 10	W 10	W 9	W 9	W 8	W 8	W 8	S	10.8	SE 13
12	SW 4	SW 5	W 7	W 5	NW 6	W 7	N 5	N 5	N 4	N 6	N 6	SW	5.7	W 10
13	SE 14	SE 12	S 10	S 8	S 5	S 4	S 4	SW 10	SW 2	SW 9	S 9	S	8.4	SE 16
14	S 6	S 9	S 9	S 9	S 9	S 9	S 10	S 9	S 8	S 8	S 8	S	7.3	S 10
15	W 11	NW 12	W 9	W 9	W 8	W 3	W 5	0	W 2	W 4	SW 4	W	7.1	N 17
16	E 11	E 9	E 9	SE 9	SE 9	SE 9	S 9	E 9	E 10	E 12	E 12	E	10.1	E 15
17	E 15	E 17	E 19	E 18	E 15	E 14	E 15	E 15	E 15	SE 13	SE 13	E	11.8	E 21
18	SE 9	SE 8	E 9	E 9	E 8	E 6	E 6	E 7	E 6	E 9	E 9	E	9.3	E 16
19	E 12	E 13	E 12	E 12	E 12	E 12	E 13	E 12	S 12	S 12	S 12	E	10.1	E 15
20	E 16	E 24	E 24	E 22	E 15	E 19	E 18	E 15	E 15	E 15	E 14	E	16.4	E 25
21	E 16	NE 16	NE 15	NE 18	NE 17	NE 15	NE 16	E 15	E 15	E 15	E 14	E	15.1	NE 19
22	E 15	E 16	E 17	E 18	E 15	E 14	E 14	E 13	E 13	E 12	E 13	E	14.2	E 19
23	E 16	E 15	E 12	E 12	E 12	E 11	E 12	NE 12	N 11	N 10	N 14	E	13.9	E 19
24	N 12	N 11	N 9	N 10	N 9	N 9	N 10	N 9	N 10	N 11	N 14	N	10.0	N 16
25	N 11	N 12	N 13	N 12	N 15	N 12	N 10	N 9	N 11	N 11	N 15	N	10.4	N 16
26	N 10	N 8	NW 9	W 9	W 8	W 8	W 7	W 7	W 6	W 6	W 6	N	11.4	N 18
27	E 5	E 6	E 5	E 5	0	0	W 2	0	SE 2	SE 2	SE 4	W	3.5	E 7
28	NE 7	NE 7	E 8	E 7	E 8	NE 8	E 9	N 8	N 9	N 6	N 6	SE	5.5	N 9
29	E 5	E 5	E 4	E 5	SE 6	SE 6	SE 8	S 8	S 9	S 5	SW 6	E	6.3	S 10
30	SE 8	SE 7	SE 7	SE 6	SE 6	S 8	S 9	S 10	S 9	SE 8	SE 6	S	8.6	SE 14
31	S 9	S 9	S 9	S 10	S 9	S 9	S 8	S 7	S 5	S 4	S 2	S	8.8	S 13
Prevailing direction	E	E	E	E	E	E	E	E	E	S	S	E	8.6	14.0
Mean velocity	9.7	9.7	9.5	9.3	8.8	8.0	8.3	7.7	8.0	7.7	7.7			

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

JANUARY 1930

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.	S 8	S 7	S 7	S 4	S 5	S 3	S 6	W 4	W 4	W 6	W 6	W 5	W 5
2.	W 3	W 3	W 4	NE 5	NE 6	NE 9	N 7	N 9	N 10	N 12	N 13	N 15	N 15
3.	SW 6	SW 6	S 6	S 5	S 6	S 5	E 6	E 4	E 5	E 6	N 7	N 8	N 9
4.	NE 9	NE 9	NE 9	NE 10	E 12	E 12	E 13	E 15	E 15	E 15	E 15	E 17	E 18
5.	E 18	E 17	E 17	E 16	E 16	E 16	E 15	E 15	E 15	E 15	E 15	E 15	E 15
6.	E 17	E 16	E 17	E 18	E 18	E 18	E 19	E 19	E 19	E 19	E 19	E 21	E 19
7.	E 16	E 15	E 16	E 15	E 17	E 17	E 18	E 16	E 18	E 18	E 18	E 21	E 20
8.	NE 9	N 12	N 10	N 12	NE 12	NE 10	NE 9	E 10	E 10	E 10	NE 9	E 9	E 10
9.	SE 9	E 9	E 3	SE 5	SE 5	E 6	NE 6	E 7	E 8	E 9	E 10	E 9	NE 5
10.	NE 6	NE 6	NE 7	NE 6	NE 8	NE 8	NE 7	N 8	N 9	N 9	N 12	N 12	N 11
11.	N 9	N 9	N 9	N 10	N 10	N 11	NE 10	NE 9	NE 9	NE 9	NE 7	N 8	N 7
12.	NE 9	E 11	E 11	NE 12	NE 11	NE 10	NE 9	E 11	N 10	NE 11	N 11	N 9	N 9
13.	N 6	W 6	SW 7	SW 9	SW 7	SW 9	SW 8	W 8	W 8	W 10	W 10	W 10	W 11
14.	N 5	E 6	E 7	E 7	E 7	E 8	E 8	E 9	E 9	E 9	E 11	NE 10	NE 10
15.	E 9	E 9	E 9	E 12	E 12	E 11	E 12	E 11	E 11	E 10	E 9	E 9	E 9
16.	E 7	E 7	E 10	E 9	E 9	E 9	E 9	E 10	E 10	E 12	E 12	E 12	E 11
17.	E 12	E 12	E 12	E 11	E 12	E 11	E 11	E 9	E 9	E 8	E 8	E 9	E 9
18.	E 8	E 7	E 7	E 7	E 7	E 10	E 12	E 12	E 11	E 12	E 12	E 11	E 10
19.	E 5	SE 6	SE 2	0	SE 2	SE 4	SE 5	S 4	S 6	S 5	S 6	S 6	SW 6
20.	SW 10	SW 11	SW 11	SW 8	S 9	S 10	SW 8	W 6	W 9	W 8	W 9	W 9	W 9
21.	S 6	S 3	S 5	S 5	S 3	0	E 4	E 6	E 6	E 6	E 9	E 10	E 10
22.	S 13	S 12	S 11	S 15	SE 17	E 18	E 14	SE 10	SE 12	SE 15	SE 20	SE 18	SE 17
23.	SE 9	SW 4	SW 7	SE 3	SE 8	SE 6	SE 6	E 10	E 13	E 13	E 12	E 12	E 12
24.	SE 5	SW 6	S 7	S 10	S 9	S 9	S 13	S 12	S 12	S 12	S 14	S 14	S 15
25.	W 5	S 4	S 3	SW 4	W 5	SW 3	SW 4	SW 5	SW 4	W 7	W 9	W 8	W 7
26.	SW 6	S 7	SW 4	S 6	S 5	SW 3	W 4	S 3	S 2	S 4	S 3	S 4	S 5
27.	SW 9	W 8	W 8	SW 7	SW 5	SW 6	SW 6	S 6	S 6	SW 7	SW 4	SW 4	S 4
28.	E 13	E 15	E 16	E 17	E 19	E 19	E 21	E 23	E 24	E 24	E 25	E 24	E 22
29.	E 15	SE 12	SE 12	SE 10	S 9	S 9	S 9	S 9	S 9	S 9	S 9	S 10	S 9
30.	SW 12	SW 12	SW 15	SW 14	SW 11	W 9	W 9	W 10	W 8	W 9	W 9	W 9	W 6
31.	E 7	NE 9	N 9	W 6	W 2	SW 3	S 2	W 2	SE 3	E 3	E 4	E 4	NE 4
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity	9.1	8.9	9.0	8.9	9.2	9.1	9.4	9.4	9.7	10.5	10.9	11.0	10.6

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
														Dir. Vel.
<i>Day</i>														
1.	W 4	W 5	W 7	W 7	W 3	W 6	W 5	NE 4	E 6	NE 7	N 4	W	5.3	S 10
2.	N 14	N 14	N 13	N 15	N 13	N 12	N 12	N 9	SW 6	SW 6	SW 5	N	9.6	N 16
3.	N 9	N 9	N 8	N 8	N 11	N 10	N 9	N 9	NE 7	NE 7	NE 8	N	7.2	N 12
4.	E 18	E 16	E 17	E 18	E 15	E 18	E 17	E 17	E 16	E 16	E 16	E	14.8	E 19
5.	E 14	E 13	E 16	E 17	E 17	E 17	E 18	E 17	E 17	E 16	E 18	E	16.0	E 24
6.	E 20	E 20	E 20	E 19	E 18	E 18	E 15	E 17	E 18	E 16	E 16	E	18.2	E 22
7.	E 20	E 18	E 17	E 16	E 16	E 18	E 17	E 17	NE 15	NE 15	NE 12	E	17.1	E 24
8.	E 10	E 9	E 11	E 9	E 9	SE 9	SE 9	SE 10	SE 12	SE 9	SE 9	E	9.9	N 14
9.	N 6	NE 7	N 7	N 9	N 7	N 7	NE 7	NE 9	NE 7	NE 7	NE 7	E, NE	7.1	E 12
10.	N 10	N 9	N 10	N 9	N 7	N 7	NE 9	NE 8	NE 9	N 9	N 9	N	8.5	N 13
11.	N 5	NE 7	NE 8	NE 7	NE 7	E 8	E 9	E 9	E 9	E 9	E 9	N, NE	8.5	N 12
12.	N 9	N 7	N 8	N 6	N 7	N 5	N 5	N 6	N 6	N 6	N 6	N	8.5	E 12
13.	W 9	W 8	W 8	W 5	W 2	W 2	W 2	W 3	W 2	NW 4	N 4	W	6.7	W 12
14.	NE 11	NE 9	NE 9	NE 9	NE 9	NE 8	N 5	NE 3	N 4	E 2	E 7	E	7.6	NE 12
15.	E 11	E 9	E 9	E 9	E 6	E 5	E 3	E 2	E 4	E 4	E 7	E	8.3	E 12
16.	E 12	E 12	E 12	E 12	E 9	E 10	E 9	E 9	E 9	E 10	E 12	E	10.1	E 14
17.	E 9	E 9	E 8	E 9	E 9	E 8	E 9	E 8	E 7	E 9	E 9	E	9.5	E 15
18.	E 11	E 11	E 12	E 10	E 9	E 9	E 8	E 6	S 4	NE 4	NE 3	E	8.8	E 13
19.	W 7	W 9	W 9	W 9	W 9	W 9	W 9	SW 11	W 10	W 11	W 11	W	6.6	W 13
20.	SW 10	SW 11	SW 9	SW 8	SW 8	SW 6	SW 8	SW 6	S 5	S 5	S 4	SW	8.2	SW 14
21.	E 10	E 12	E 12	E 16	SE 14	SE 10	SE 12	SE 13	S 10	S 10	S 10	E	8.5	E 19
22.	SE 15	SE 14	SE 13	SE 12	SE 15	SE 15	SE 12	SE 12	E 13	E 12	E 11	SE	14.0	SE 20
23.	E 11	E 10	E 12	E 9	E 8	SE 9	S 4	S 2	SE 3	E 2	E 2	E	7.8	E 14
24.	SW 13	SW 12	S 11	S 10	S 10	S 10	S 11	S 12	S 8	S 3	S 6	S	10.2	S 16
25.	W 7	W 6	W 7	W 6	W 4	W 5	SW 9	W 7	W 5	W 6	W 8	W	5.8	W 10
26.	S 7	S 9	S 9	S 8	S 5	S 3	S 5	S 6	S 6	SW 7	SW 7	S	5.3	S 12
27.	S 3	S 2	SW 3	SW 3	SW 2	E 6	E 8	E 5	NE 6	NE 8	E 9	SW	5.6	E 12
28.	E 22	E 19	E 22	E 19	E 18	E 18	E 18	E 18	E 15	E 15	E 15	E	19.2	E 29
29.	S 9	S 10	S 12	S 14	S 13	S 18	S 18	SW 14	SW 15	SW 12	SW 14	S	11.8	S 22
30.	W 8	W 9	W 7	N 7	NW 6	W 8	W 9	E 3	E 2	E 4	E 5	W	8.4	SW 17
31.	E 5	N 9	E 10	SE 14	SE 18	SE 18	SE 19	SE 18	SE 16	S 13	S 9	SE	8.6	SE 21
Prevailing direction	E	E	E	E	E	E	E	E	E	E	E	E	9.7	
Mean velocity	10.6	10.5	10.8	10.6	10.0	10.1	10.0	9.3	8.8	8.5	8.8			15.7

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

FEBRUARY 1930

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1		1-2		2-3		3-4		4-5		5-6		6-7		7-8		8-9		9-10		10-11		11-12		12-13			
Day.....	S	9	S	9	SW	9	SW	6	S	10	S	6	S	8	S	8	S	9	S	12	S	11	S	12 ³	S	11	S	11
1.....	S	15	SW	12	SW	12	SW	15	SW	13	W	11	W	11	W	10	W	9	W	6	W	8	W	6	W	6	W	6
2.....	N	17	N	6	N	5	NW	5	NW	4	NW	3	NW	2	W	4	W	6	E	3	E	7	E	5 ¹	NW	4	NW	4
3.....	N	12	W	5	W	4	E	4	E	9	E	11	E	12	E	15	E	13	E	11	W	8	W	11	S	6	W	6
4.....	E	13	E	14	E	15	E	12	E	12	E	11	E	14	E	14	E	15	E	15	E	14	E	15	E	15	E	15
5.....	E	17	E	17	E	18	E	19	E	18	E	17	E	16	E	11	E	6	E	6	E	2	E	3	S	3	S	3
6.....	SE	2	S	2		0	S	3	S	9	S	15	S	21	S	22	S	22	S	24	S	23	S	21	SW	12	SW	12
7.....	S	6	S	5	S	4	S	4	S	5	S	2	E	4	E	7	E	7	E	9	E	11	E	12	E	12	E	12
8.....	E	14	SE	12	S	4	SW	6	SW	2	S	3	E	5	E	16	E	16	E	15	E	12	E	9	E	11	E	11
9.....																												
Hour.....	13-14		14-15		15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		Prevailing direction	Mean velocity	Maximum wind			
Day.....																									Dir.	Vel.		
1.....	S	13	S	15	S	16	S	17	S	18	S	17	S	18	S	18	S	20	S	18	S	16	S	12.8	S	8	S	21
2.....	W	9	W	10	W	9	W	11	W	9	W	10	W	12	W	10	W	11	W	12	NW	9	W	10.4	S	8	S	18
3.....	W	7	W	7	W	4	N	6	W	9	E	5	E	4	E	9	E	9	E	9	NE	12	E	6.0	NE	14	NE	14
4.....	W	4	SW	6	S	7	SE	8	E	9	E	8	E	9	E	9	E	13	E	14	E	13	E	9.2	E	15	E	15
5.....	E	17	E	16	E	16	E	15	E	15	E	14	E	14	E	16	E	18	E	15	E	17	E	14.7	E	19	E	19
6.....	S	2		0	S	6	S	9	S	5	S	3	S	4	S	3	S	2	SE	2		0	E	7.9	E	19	E	19
7.....	SW	20	SW	21	SW	21	SW	19	SW	16	SW	15	SW	13	SW	12	SW	12	SW	9	SW	9	SW	14.6	S	27	S	27
8.....	E	15	E	16	E	17	E	18	E	18	E	16	E	17	E	18	E	15	E	13	E	14	E	11.0	E	20	E	20
9.....																												

FEBRUARY 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1		1-2		2-3		3-4		4-5		5-6		6-7		7-8		8-9		9-10		10-11		11-12		12-13			
Day	SE	20	SE	19	E	17	SE	14	SE	13	SE	17	SE	13	SE	17	SE	22	SE	26	SE	26	SE	23	SE	25	SE	25
12	S	4	S	5	S	5	SW	4	SW	6	SW	8	SW	8	SW	6	SW	7	SW	5	SW	4	SW	6	SW	7	SW	7
13	SE	22	SE	24	SE	24	SE	25	SE	24	SE	23	SE	26	SE	25	SE	25	SE	23	SE	22	SE	17	SE	14	SE	14
14	E	3	E	2	S	3	S	2	S	0	S	3	S	3	SW	2	SW	3	SW	4	S	5	SE	6	SE	9	SE	9
15	W	11	W	10	W	6	W	11	W	12	W	14	W	17	W	15	W	16	W	13	SW	10	SW	9	SW	10	SW	10
16	W	6	SW	5	W	6	W	4	W	5	SW	4	W	5	W	3	W	2	E	6	E	11	E	13	E	15	E	15
17	E	16	E	15	E	16	E	16	E	13	E	12	SE	15	SW	16	SW	12	SW	11	SW	14	SW	20	SW	23	SW	23
18	SW	9	SW	10	SW	9	S	5	SE	5	SE	11	SE	9	S	11	S	7	S	9	SE	14	SE	18	SE	25	SE	25
19	SE	26	SE	27	SE	25	SE	26	SE	25	SE	25	SE	26	SE	25	SE	26	SE	26	SE	26	SE	24	SE	25	SE	25
20	SE	14	SE	12	SE	16	SE	16	SE	17	SE	13	SE	11	SE	17	SE	19	S	18	SE	17	SE	21	SE	21	SE	21
21	SE	17	SE	17	S	15	S	14	S	10	S	6	SE	9	SE	7	SE	5	SE	8	S	5	S	4	S	5	S	5
22	S	2	S	0	S	2	SE	3	E	4	E	3	SE	3	S	4	S	4	S	3	S	4	S	5	S	8	S	8
23	S	4	SW	5	SW	3	SW	3	SW	4	SW	5	S	4	SW	6	SW	6	SW	6	S	7	S	8	S	10	S	10
24	SW	4	SW	5	SW	4	SW	3	SW	5	SW	3	SE	4	SW	4	S	3	S	6	S	5	S	5	SW	8	S	8
25	S	2	S	0	S	2	E	4	E	4	E	6	E	9	E	10	E	11	E	8	E	8	E	9	E	13	E	13
26	E	20	E	19	E	18	E	18	E	17	E	16	E	17	E	16	E	16	E	17	E	17	E	16	E	20	E	20
27	E	10	E	20	E	19	E	19	E	18	E	18	E	18	E	17	E	17	SE	11	S	5	SE	13	SE	21	SE	21
28	SE	20	E	24	SE	22	E	22	SE	23	E	21	E	19	SE	19	E	23	SE	18	SE	15	E	18.4	SE	27	SE	27
Prevailing direction	SE	SE	S	SE	SE, E	E	SE	SE, SW	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	S	SE	SE	SE	SE	SE	SE	SE	SE
Mean velocity	11.7	11.5	11.2	11.0	10.7	11.0	11.6	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	12.8	14.8	14.8	14.8	14.8	14.8

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind														
Day	SE	26	SE	24	SE	23	SE	19	SE	19	SE	20	SE	21	SE	20	E	17	SE	8	S	6	SE	19.0	SE	31		
12	SW	6	SE	6	S	9	SE	17	SE	20	SE	20	SE	22	SE	25	SE	24	SE	24	SE	23	SW	11.3	SE	29		
13	SE	12	SE	11	S	4	SW	3	SE	5	E	7	E	6	E	7	E	6	E	5	E	3	SE	15.1	SE	25		
14	S	10	SW	14	SW	19	SW	16	W	14	W	11	W	13	W	12	W	14	W	11	W	9	W	7.8	SW	23		
15	W	13	W	13	W	11	W	13	W	8	W	11	SW	10	W	8	W	8	W	7	W	6	W	10.9	W	17		
16	E	15	E	16	E	16	E	17	E	16	E	16	E	16	E	17	E	18	E	17	E	16	E	11.0	E	19		
17	SW	22	SW	19	SW	18	SW	22	S	13	S	12	SW	14	SW	15	SW	12	SW	9	SW	9	SW	15.2	SW	29		
18	SE	26	SE	26	SE	26	SE	27	SE	27	SE	29	SE	26	SE	26	SE	25	SE	25	SE	25	SE	17.9	SE	34		
19	SE	26	SE	26	SE	26	SE	26	SE	22	SE	22	SE	21	SE	18	SE	14	SE	16	SE	16	SE	23.5	SE	33		
20	SE	24	SE	30	SE	31	SE	32	SE	32	SE	29	SE	26	S	17	SE	21	SE	20	SE	18	SE	20.5	SE	40		
21	SW	5	SW	4	SW	5	SW	3	S	4	S	4	S	4	S	2	S	2	S	2	S	2	0	S	6.5	SE	19	
22	SW	3	SW	5	S	4	S	6	S	7	S	7	SW	5	SW	5	S	5	S	4	S	4	S	4.0	S	9		
23	S	9	SW	9	SW	8	SW	6	SW	8	SW	10	SW	8	SW	6	SW	5	SW	3	SW	3	SW	6.1	S	11		
24	SW	7	S	7	S	6	SW	5	SW	5	S	3	S	3	S	2	S	3	S	3	S	3	S	4.3	S	9		
25	E	15	E	16	E	16	E	15	E	14	E	17	E	16	E	16	E	16	E	17	E	18	E	10.9	E	20		
26	E	18	E	18	E	19	E	18	E	18	E	20	E	20	E	20	E	21	E	20	E	19	E	18.2	E	24		
27	SE	20	E	24	SE	22	E	22	SE	23	E	21	E	19	SE	19	E	23	SE	18	SE	15	E	18.4	SE	27		
28	SE	20	E	24	SE	22	E	22	SE	23	E	21	E	19	SE	19	E	23	SE	18	SE	15	E	18.4	SE	27	SE	27
Prevailing direction	SE	SE	SE	SW	SE	E, SE	E, SE	SE	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Mean velocity	15.1	15.8	15.5	15.7	15.0	15.2	14.7	13.8	13.8	12.3	11.4	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

MARCH 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1	SE 15	SE 7	SE 13	SE 12	S 5	SE 13	SW 7	SW 5	S 5	SW 7	S 6	S 6	S 7
2	SW 4	0	SW 5	E 10	E 10	NE 11	NE 11	E 11	E 10	E 16	E 16	E 15	E 16
3	E 26	SE 26	SE 26	SE 26	SE 25	SE 23	SE 24	SE 22	SE 22	SE 19	SE 16	SE 10	SE 11
4	SW 16	SW 11	SW 9	SW 7	SW 9	SW 7	SW 4	E 3	E 4	E 7	E 11	E 11	NW 13
5	NW 18	NW 17	N 18	N 17	N 17	N 19	N 19	N 17	N 17	N 17	N 17	N 17	N 16
6	E 14	E 16	E 13	E 10	E 11	E 12	E 10	E 8	E 9	E 5	SE 4	S 5	S 8
7	SW 18	SW 19	SW 15	SW 12	SW 9	W 7	SW 4	SW 4	SE 4	SE 4	E 9	E 13	E 13
8	NE 35	NE 34	NE 34	NE 34	NE 35	NE 33	NE 33	NE 30	NE 31	NE 31	NE 21	NE 19	NE 20
9	SW 14	SW 13	SW 14	SW 16	SW 16	S 18	SW 18	SW 19	SW 21	SW 22	SW 22	SW 23	SW 25
10	SW 15	SW 11	SW 9	SW 4	S 2	E 6	E 7	NE 8	E 10	NE 10	NE 13	NE 13	NE 15
11	E 22	E 22	E 24	E 22	E 19	E 18	E 14	E 17	SE 16	SE 14	SE 14	SE 20	SE 20
12	S 17	S 17	S 18	S 19	S 17	S 18	SE 22	S 19	S 26	S 31	S 27	S 29	S 31
13	S 24	S 25	S 26	S 22	SW 17	SW 17	SW 18	SW 15	SW 17	SW 13	SW 11	SW 12	SW 13
14	SW 6	SW 5	SW 6	SW 5	SW 3	SW 3	SW 3	SW 4	SW 3	S 4	SE 6	E 7	E 11
15	E 19	E 20	E 22	E 21	E 22	E 18	E 19	E 23	E 21	E 17	E 17	E 17	E 13
16	SW 5	W 8	W 6	W 8	W 7	W 5	W 10	W 10	W 12	W 9	W 12	W 10	W 12
17	W 7	SW 5	SW 7	S 9	S 13	S 8	S 7	SW 6	SW 6	SW 4	S 8	SW 7	SW 6
18	E 20	E 23	E 26	E 24	E 23	E 22	E 22	E 23	E 23	E 24	E 26	E 26	E 27
19	E 22	E 20	E 21	E 21	E 18	E 17	E 18	E 17	E 19	E 20	E 19	E 20	E 22
20	E 23	E 24	E 23	E 25	E 27	E 26	E 27	E 27	E 18	SE 7	SW 4	SW 6	SW 14
21	W 11	W 10	W 7	W 6	W 6	W 4	W 2	E 4	E 2	E 3	E 3	E 3	W 8
22	SW 8	W 8	SW 11	W 9	SW 9	SW 8	SW 7	W 8	W 9	W 8	W 8	W 10	W 12
23	SW 4	SW 4	SE 3	SW 3	SW 4	SW 3	SW 3	S 2	SE 5	E 12	E 16	E 17	E 24
24	E 31	E 31	E 30	E 29	E 26	E 25	E 20	N 24	W 20	W 10	W 9	NW 13	NW 11
25	SE 25	SW 22	SW 18	SW 15	SW 14	W 13	W 10	W 10	W 12	SW 15	SW 15	SW 14	SW 9
26	E 13	E 20	E 24	E 27	E 26	E 27	E 27	E 26	E 26	E 26	E 21	NE 17	NE 18
27	W 9	W 6	W 5	W 6	W 2	W 2	W 5	W 5	W 7	W 10	W 9	W 9	W 9
28	W 3	W 3	W 2	W 4	W 3	SW 2	SW 2	SW 4	E 6	E 5	E 5	SE 3	S 5
29	E 17	E 5	W 4	W 5	SW 6	S 7	S 6	S 7	SW 7	SW 3	SW 3	SW 5	SW 4
30	S 5	SW 6	SE 16	SE 20	E 27	E 30	E 26	E 25	E 24	E 24	E 22	E 22	SE 17
31	S 11	S 10	S 10	SW 8	S 6	S 6	S 8	S 9	S 8	S 5	S 7	S 7	S 7
Prevailing direction	SW, E	SW, E	SW	E	E	E	E	E	E	E	E	E	E
Mean velocity	15.4	14.5	15.0	14.7	14.0	13.8	13.3	13.3	13.5	13.0	12.8	13.1	14.2

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
<i>Day</i>														
1	SW 5	SW 4	S 5	S 3	S 3	SE 3	E 5	E 7	E 6	E 4	E 5	S	6.6	SE 17
2	E 17	E 19	E 20	E 24	E 21	E 24	E 25	E 26	E 27	E 28	E 27	E	16.4	E 33
3	S 10	S 7	SW 5	SW 7	SW 7	W 9	SW 9	SW 10	SW 14	SW 16	SW 15	SE	16.0	SE 29
4	NW 19	NW 21	NW 21	NW 23	NW 23	NW 23	NW 20	NW 23	NW 20	NW 18	NW 17	NW	14.3	NW 26
5	N 14	N 14	N 11	N 11	N 9	NE 9	NE 8	NE 9	E 11	E 13	E 13	N	14.5	N 24
6	S 17	S 20	S 21	SW 20	SW 20	SW 21	SW 24	SW 25	SW 22	SW 19	SW 19	E	14.7	SW 29
7	E 17	E 19	NE 22	N 28	N 29	N 31	NE 33	NE 34	NE 35	NE 35	NE 34	SW	18.7	NE 42
8	NE 19	NE 23	NE 24	NE 24	NE 26	N 23	N 17	N 17	N 13	N 13	SW 13	NE	25.1	NE 42
9	SW 26	SW 26	SW 23	SW 23	SW 20	SW 19	SW 18	SW 17	SW 15	SW 14	SW 14	SW	10.1	SW 32
10	NE 15	NE 16	NE 16	NE 17	NE 17	NE 16	E 17	E 19	E 20	E 19	E 20	NE	13.1	E 25
11	SE 21	SE 18	SE 20	SE 27	SE 24	SE 22	SE 32	SE 30	SE 28	SE 19	SE 17	SE	20.8	SE 35
12	S 26	S 26	S 26	S 26	S 24	S 20	S 22	S 23	S 21	S 23	S 25	S	23.0	S 36
13	SW 15	SW 10	SW 6	SW 6	SW 8	SW 7	SW 8	SW 9	W 6	SW 6	SW 7	SW	13.2	S 31
14	E 10	E 15	E 16	E 18	E 18	E 15	E 17	E 16	E 16	E 14	E 17	E	9.9	E 20
15	E 10	E 9	E 8	E 4	W 8	W 8	W 8	SW 8	SW 9	SW 6	W 7	E	13.9	E 26
16	W 9	W 10	W 10	SW 8	SW 11	SW 10	SW 7	SW 8	SW 8	SW 8	W 7	W	8.8	W 15
17	S 5	S 4	SE 5	W 3	E 3	SE 6	E 5	E 4	E 5	E 12	E 14	S, SW	6.6	E 17
18	E 27	E 26	E 25	E 25	E 25	E 25	E 26	E 25	E 25	E 24	E 22	E	24.3	E 31
19	E 21	E 24	E 23	E 26	E 25	E 26	E 26	E 26	E 25	E 23	E 23	E	21.8	E 31
20	SW 16	SW 17	SW 17	SW 14	SW 17	SW 17	SW 17	SW 17	W 14	W 11	W 11	SW	17.5	E 31
21	W 17	W 15	W 10	W 11	W 15	W 14	W 12	W 10	W 10	SW 9	SW 11	W	8.5	W 18
22	SW 9	SW 12	SW 10	SW 6	W 6	W 7	W 7	W 10	SW 9	SW 8	SW 10	W, SW	8.7	SW 13
23	E 22	E 22	E 26	E 26	E 25	E 25	E 27	E 28	E 26	E 27	E 29	E	16.0	E 31
24	W 11	W 14	W 16	W 17	W 21	W 20	W 20	W 17	W 21	W 22	SW 26	W	20.2	E 36
25	SW 8	SW 7	SW 8	S 6	E 7	E 9	E 7	E 9	E 11	E 12	E 13	SW	12.0	SW 32
26	NE 23	N 25	W 16	W 13	W 11	W 14	SW 12	SW 10	SW 12	SW 10	SW 8	E	18.8	E 31
27	W 10	W 8	W 7	W 9	W 4	W 7	W 3	W 4	W 4	W 3	W 3	W	6.1	W 13
28	S 3	S 7	SE 5	SE 3	SE 4	0	SE 5	SW 2	SE 7	E 15	SE	E	4.2	E 17
29	S 3	S 4	S 4	S 4	S 5	S 3	S 4	S 5	S 6	SW 5	S 4	S	5.2	E 18
30	E 19	E 24	E 26	E 23	E 20	SE 14	S 9	S 7	SW 6	SW 7	S 9	E	17.8	E 34
31	S 8	S 4	S 6	S 5	S 6	S 5	S 6	S 5	S 5	SE 7	SE 6	S	6.9	E 29
Prevailing direction	E	E	E	E, SW	E	W	E	E, SW	E	SW	E	E		
Mean velocity	14.6	15.2	14.8	14.8	14.9	14.6	14.7	14.8	14.7	14.3	14.9		14.3	27.2

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

APRIL 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1	SE 12	SE 14	SE 17	E 11	E 15	E 19	E 21	E 23	E 26	E 25	E 26	E 26	E 28
2	E 32	E 31	E 29	E 27	E 24	E 21	E 17	W 21	W 18	W 16	W 14	W 12	W 9
3	E 10	E 23	E 28	E 32	E 34	E 39	E 40	E 38	E 36	E 31	E 33	NE 33	NE 38
4	NE 21	NE 21	NE 19	NE 20	NE 24	NE 27	NE 30	NE 31	NE 30	NE 30	NE 32	NE 27	NE 25
5	NE 16	NE 14	E 17	NE 17	E 18	NE 17	E 15	E 16	E 17	E 17	E 21	E 23	E 25
6	E 17	E 20	E 17	E 14	E 8	S 3	SE 12	E 13	E 14	E 17	E 19	E 17	E 18
7	E 20	E 20	E 20	E 22	E 22	E 23	E 25	E 26	E 23	E 26	E 26	E 27	E 26
8	E 25	E 23	E 23	E 23	E 20	E 19	E 21	E 21	E 22	E 22	E 20	E 19	E 19
9	E 14	E 13	E 12	E 13	E 11	NE 9	NE 10	NE 9	NE 7	N 9	E 8	E 7	E 6
10	SE 4	SE 5	SE 7	SE 8	SE 7	SE 6	SE 6	SE 5	SE 5	S 3	SE 5	SE 3	SE 5
11	S 4	S 5	E 5	S 8	S 9	S 7	S 6	S 5	S 5	S 7	S 8	S 8	S 7
12	E 18	E 22	E 19	E 16	E 7	E 6	S 4	S 4	S 6	S 6	SE 6	S 4	SW 6
13	S 4	S 4	S 6	S 5	S 5	S 6	S 3	S 3	S 5	S 6	SW 6	S 4	S 7
14	E 13	E 16	E 17	E 18	E 20	E 18	E 17	E 17	E 6	SE 3	SE 7	E 8	SE 10
15	SE 18	SE 18	SE 20	SE 10	SE 14	E 25	SE 33	SE 29	SE 25	SE 21	SE 25	SE 26	SE 28
16	S 8	S 3	SE 17	SE 10	SW 4	SW 4	SW 7	SW 9	SW 8	SW 2	SE 13	SE 19	SE 18
17	S 7	S 6	S 6	S 6	S 5	S 5	S 5	S 5	S 4	S 4	S 3	SW 3	SW 3
18	SW 4	SW 5	SW 7	SW 6	SW 6	SW 5	SW 4	SW 2	S 2	S 3	S 5	S 6	SW 5
19	SW 7	SW 7	S 8	S 7	S 6	S 6	S 8	S 8	S 8	S 8	S 8	S 7	S 8
20	E 15	SE 13	S 4	S 4	E 4	E 4	S 7	S 6	S 7	S 5	S 6	SE 13	S 8
21	S 6	S 7	S 8	S 8	S 10	S 8	S 9	S 6	S 4	S 6	S 7	S 5	S 4
22	S 9	S 8	S 11	S 8	S 10	S 9	S 9	S 9	S 9	S 9	S 9	S 6	S 8
23	E 6	E 9	NE 12	E 11	E 15	E 17	E 18	E 23	E 31	E 34	E 34	E 34	E 35
24	E 26	E 23	E 24	E 24	E 21	E 18	E 17	E 16	E 17	E 16	E 18	E 19	E 18
25	N 13	NE 15	N 15	N 20	N 16	N 19	N 22	N 24	N 20	N 18	N 20	N 17	N 16
26	E 21	E 21	E 20	E 22	E 25	E 23	E 22	E 21	E 24	E 22	SE 16	E 16	E 17
27	S 3	W 5	W 5	SW 5	SW 6	SW 6	S 5	S 8	S 8	S 7	S 8	S 6	S 7
28	E 18	E 19	E 20	E 19	E 18	E 18	E 17	E 16	E 15	E 15	E 15	E 14	E 17
29	NE 9	E 14	E 16	E 20	E 19	E 18	E 20	E 23	E 29	E 29	SE 34	SE 31	E 34
30	SE 20	E 31	E 31	E 33	E 33	E 30	SE 19	SE 20	S 12	SW 6	SW 6	S 5	S 5
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E, S	E	E	E
Mean velocity.....	13.3	14.5	15.3	14.9	14.5	14.5	15.1	15.3	14.8	14.1	15.3	14.8	15.3

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind	
														Dir.	Vel.
<i>Day</i>															
1	E 26	E 26	E 27	E 28	E 29	E 31	E 33	E 33	E 34	E 32	E 33	E	24.8	E	38
2	W 8	W 7	W 3	W 4	W 4	W 2	E 4	E 8	E 7	E 8	E 8	E, W	13.9	E	36
3	NE 35	NE 28	NE 21	NE 19	NE 17	E 19	E 24	NE 28	NE 32	NE 31	NE 23	E	28.8	E	47
4	N 22	N 23	N 25	N 26	N 26	N 26	N 24	N 19	N 19	NE 19	NE 14	NE	24.2	NE	36
5	E 22	E 23	E 25	E 20	E 18	E 20	E 18	E 17	E 12	E 14	E 14	E	18.3	E	29
6	E 20	E 17	E 18	E 18	E 18	E 17	E 17	E 20	E 19	E 21	E 19	E	16.4	E	22
7	E 28	E 27	E 26	E 26	E 27	E 25	E 25	E 25	E 26	E 25	E 24	E	24.6	E	34
8	E 20	E 17	E 17	E 17	E 17	E 17	E 17	E 18	E 16	E 15	E 14	E	19.2	E	31
9	E 8	E 8	E 8	E 9	E 9	E 8	E 9	E 6	SE 9	SE 6	SE 5	E	8.8	E	16
10	SE 4	E 11	E 11	SE 5	SE 6	E 6	NE 4	S 4	SE 5	E 5	SE 4	SE	5.6	E	14
11	S 7	S 6	S 3	S 6	S 4	E 16	E 20	E 18	E 19	E 18	E 17	S	9.2	E	22
12	S 6	SW 3	SW 4	S 3	S 3	S 3	S 4	S 3	S 2	S 4	S 2	S	6.8	E	25
13	S 6	S 6	S 4	S 5	SE 9	SE 15	SE 10	SE 6	SE 6	SE 7	E 12	S	6.5	SE	18
14	SE 8	SE 13	SE 7	S 6	S 6	S 6	SE 9	SE 8	E 5	SW 6	SE 11	E	10.6	E	22
15	SE 20	SE 30	SE 26	SE 23	E 22	E 22	S 12	SW 5	SW 7	SW 6	E 21	SE	20.2	SE	42
16	E 18	E 22	SE 18	SE 14	E 20	SE 22	SE 14	SE 12	S 9	S 9	S 8	SE	12.0	SE	26
17	SW 3	SW 2	SW 4	SW 2	SW 5	SW 7	SW 5	S 3	S 4	SW 5	SW 4	S	4.4	SW	8
18	SW 5	SW 5	SW 5	SW 5	SW 5	SW 5	SW 4	SW 5	SW 6	SW 6	SW 6	SW	4.9	SW	8
19	S 8	S 10	S 9	S 10	S 10	S 6	S 6	S 6	SE 5	E 13	E 16	S	8.1	E	17
20	E 13	E 22	SE 10	S 7	S 7	S 8	S 11	S 9	S 10	S 8	S 6	S	2.6	E	26
21	S 6	S 5	S 5	S 6	S 5	S 4	S 4	S 8	S 8	S 7	S 8	S	6.4	S	11
22	S 6	S 5	SW 6	S 5	S 4	SW 3	SW 2	SW 3	SE 5	SE 3	E 4	S	6.7	S	12
23	E 31	E 29	E 29	E 28	E 27	E 28	E 30	E 27	E 27	E 27	E 26	E	24.5	E	40
24	SE 17	E 15	E 15	SE 17	SE 18	SE 17	E 17	SE 17	SE 15	E 16	E 12	E	18.0	E	31
25	N 17	N 16	NE 16	NE 13	NE 15	NE 15	N 15	E 15	E 19	E 20	E 22	N	17.4	N	27
26	E 20	E 19	E 18	E 17	E 17	E 16	SE 11	SE 6	S 2	S 2	E 2	E	17.2	E	27
27	S 8	S 8	S 7	S 7	S 6	S 4	E 17	E 20	E 21	E 20	E 17	S	8.9	E	25
28	E 17	E 17	E 14	E 13	NE 14	NE 15	NE 14	NE 13	NE 11	E 9	E 9	E	15.5	E	24
29	E 32	E 30	E 29	E 25	E 24	E 25	E 23	E 22	E 22	E 11	W 8	E	22.8	SE	42
30	S 10	SW 14	SW 17	SW 13	SW 16	SW 17	SW 14	S 17	S 16	S 7	S 10	S, SW	16.8	E	40
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	E	E	14.3		
Mean velocity.....	14.9	15.5	14.2	13.2	13.6	14.2	14.1	13.6	13.6	12.7	12.6				26.5

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

MAY 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th Meridian Time]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	S 6	S 8	S 10	S 8	SW 8	S 12	S 9	S 5	SW 5	W 7	W 10	W 10	W 8
2.....	S 9	S 8	S 9	S 9	S 11	S 6	S 7	S 5	0	S 2	S 4	SE 5	E 6
3.....	E 21	E 17	E 17	E 17	E 11	W 3	W 7	S 10	S 10	SW 11	SW 11	SW 9	S 9
4.....	SW 3	SW 4	S 4	S 5	SE 6	E 2	E 3	S 3	E 2	SE 4	SE 5	SE 5	S 8
5.....	SW 4	0	SW 2	0	S 2	S 2	S 2	S 3	SW 3	SW 3	SW 2	SW 2	0
6.....	E 3	S 2	E 6	SE 3	E 5	SE 13	E 17	SE 17	SE 16	E 21	E 21	SE 18	SE 17
7.....	E 23	E 23	E 26	E 26	E 26	E 24	E 24	E 23	E 24	E 25	E 23	E 18	E 17
8.....	SE 11	SE 7	S 6	S 6	S 8	S 8	S 10	S 9	S 8	SW 6	SW 6	SW 5	SW 6
9.....	S 9	S 13	S 9	S 6	S 11	S 14	S 6	S 8	S 16	S 18	SW 14	SW 16	S 16
10.....	S 6	S 5	S 2	S 2	0	S 2	S 2	S 2	S 2	E 7	E 6	E 7	E 10
11.....	S 5	S 3	E 13	E 14	E 19	E 18	E 19	E 19	E 18	E 16	E 16	E 15	E 15
12.....	E 9	E 11	E 11	E 20	E 23	E 25	E 22	E 17	E 19	E 21	E 22	E 21	E 21
13.....	SE 6	SE 6	SE 7	SE 8	SE 8	SE 10	SE 12	SE 13	SE 13	SE 22	SE 19	E 20	E 22
14.....	SE 26	SE 32	E 42	E 42	SE 39	SE 35	E 29	E 17	E 6	SE 7	E 12	E 15	S 14
15.....	SW 7	S 10	S 8	S 7	SW 4	SW 4	S 4	S 6	S 6	S 4	S 6	S 6	SW 5
16.....	S 3	S 3	SE 3	SE 2	F 3	NE 3	E 5	E 6	E 8	E 10	E 10	E 11	E 12
17.....	E 10	E 10	E 8	E 9	E 11	E 11	E 8	E 7	E 5	E 4	N 3	N 3	E 7
18.....	NE 4	NW 3	W 2	NW 2	0	W 3	0	W 2	SW 5	SW 7	S 10	S 11	S 10
19.....	SW 8	S 10	S 7	S 5	S 9	S 9	S 4	S 6	S 6	SW 7	SW 5	SW 7	SW 8
20.....	SW 8	SW 10	SW 11	SW 11	SW 9	SW 7	SW 7	SW 5	SW 4	SW 4	SW 2	SW 4	SW 4
21.....	W 3	W 4	N 4	NE 6	NE 6	E 6	E 6	E 7	E 8	E 10	NE 11	NE 11	E 13
22.....	E 34	SE 35	SE 37	SE 39	SE 41	SE 39	SE 38	E 34	E 24	E 17	NE 19	NE 26	NE 30
23.....	N 28	N 21	N 17	N 16	N 14	N 13	N 7	N 5	N 3	E 5	E 7	E 9	E 10
24.....	SE 24	SE 25	SE 27	SE 28	E 29	E 26	E 25	E 24	SE 22	E 22	SE 21	SE 21	SE 21
25.....	E 15	E 18	E 21	E 21	E 17	E 16	E 14	E 12	E 11	N 14	N 13	N 12	NE 11
26.....	E 17	E 17	E 17	E 15	E 14	E 16	E 18	E 17	E 17	E 13	SE 17	E 17	E 19
27.....	SE 12	SE 11	SE 15	SE 17	SE 12	S 13	S 13	SE 14	SE 10	SW 8	SW 3	SW 8	S 7
28.....	SW 6	SW 4	SE 4	E 6	E 9	E 7	SE 9	SE 5	F 12	E 16	E 16	E 13	E 17
29.....	E 14	E 17	E 11	E 12	F 7	SE 4	E 6	E 17	E 16	E 16	E 16	E 16	E 18
30.....	E 15	SE 16	SE 17	SE 17	SE 20	SE 20	SE 22	SE 18	SE 17	SE 17	SE 17	SE 18	SE 18
31.....	NE 22	NE 23	NE 24	NE 23	NE 17	NE 15	NE 15	NE 15	NE 15	E 11	E 11	E 11	E 6
Prevailing direction.....	E	S	E	E	E	E	E	E	E	E	E	E	E
Mean velocity.....	12.0	12.1	12.8	13.0	12.8	12.4	11.9	11.3	10.7	11.4	11.6	11.9	12.5

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
														Dir. Vel.
<i>Day</i>														
1.....	W 7	W 2	SW 6	SW 9	S 11	SW 15	SW 15	SW 14	S 9	S 9	S 11	S	8.9	SW 17
2.....	E 6	E 7	E 9	E 12	E 15	E 17	E 18	E 19	E 22	E 21	E 21	E	10.3	E 25
3.....	SW 8	S 8	S 9	SW 7	SW 7	SW 7	SW 5	SW 6	SW 5	SW 6	SW 4	SW	9.4	E 24
4.....	S 6	S 5	S 6	S 7	S 4	SW 6	SW 7	SE 10	SW 5	SW 2	SW 5	S	4.9	SE 17
5.....	S 2	S 2	S 2	E 4	E 6	E 6	E 9	E 8	E 6	E 9	E 4	E	3.5	E 11
6.....	E 18	E 17	SE 19	SE 24	SE 23	E 26	SE 23	SE 22	SE 25	SE 22	E 22	SE	16.8	E 36
7.....	E 14	SE 15	E 18	E 16	E 17	SE 16	E 16	SE 17	SE 9	S 5	SE 5	E	18.8	E 31
8.....	SW 7	SW 7	SW 6	SW 7	SW 8	SW 8	SW 8	SW 7	SW 5	SW 9	S 12	SW	7.5	SE 17
9.....	SW 13	SW 14	SW 13	S 12	S 8	S 4	S 4	S 5	S 6	S 6	S 5	S	10.2	S 25
10.....	E 12	E 13	E 13	NE 13	NE 13	NE 10	E 6	SE 7	SE 6	SE 6	SE 6	S, E	6.6	NE 16
11.....	E 13	E 15	E 13	E 13	E 13	E 13	E 13	E 14	E 12	E 11	E 9	E	13.7	E 22
12.....	E 17	E 13	SE 6	S 5	W 2	W 2	E 5	E 8	SE 7	SE 7	SE 7	E	13.4	E 29
13.....	E 26	E 17	E 17	SE 17	SE 20	SE 24	E 27	E 26	SE 25	SE 32	SE 30	SE	17.4	E 38
14.....	S 11	S 11	S 12	S 13	S 14	S 13	S 11	S 12	S 11	SW 8	S 9	S	18.4	E 47
15.....	S 7	S 5	SW 5	SW 3	SW 5	S 9	S 8	S 6	S 3	SW 4	SW 2	S	5.5	S 12
16.....	E 11	E 12	E 10	E 9	E 9	E 10	E 10	E 10	E 12	E 11	E 10	E	8.0	E 14
17.....	E 5	E 6	E 5	E 5	E 2	E 5	E 6	SE 6	W 5	S 3	S 3	E	6.1	E 12
18.....	S 9	SW 8	SW 8	SW 8	SW 6	W 3	SW 8	SW 5	SW 6	SW 7	SW 9	SW	5.6	S 13
19.....	SW 7	SW 7	SW 8	SW 8	SW 9	SW 7	SW 7	SW 8	SW 7	SW 4	SW 4	SW	6.9	SW 16
20.....	SW 4	SW 6	SW 3	SW 3	SW 4	SW 3	W 3	W 5	W 2	W 2	W 3	SW	5.2	SW 15
21.....	E 13	E 15	E 16	E 16	E 17	E 19	SE 23	SE 20	SE 24	SE 27	F 30	E	13.1	E 34
22.....	NE 33	NE 34	NE 39	NE 38	N 33	N 34	N 37	N 40	N 39	N 34	N 29	NE, N	33.5	SE 47
23.....	E 12	E 15	E 20	E 19	SE 23	SE 19	E 28	SE 26	SE 24	SE 26	SE 27	N, E	16.4	E 33
24.....	SE 18	E 17	NE 13	NE 13	NE 18	N 18	N 13	N 5	E 6	E 8	SE 13	SE	19.0	E 33
25.....	NE 9	NE 9	E 7	E 5	E 6	F 5	E 5	E 3	E 6	E 13	E 16	E	11.6	E 25
26.....	E 17	E 17	E 15	E 15	E 15	E 14	E 13	SE 14	SE 14	SE 13	SE 14	E	15.6	E 21
27.....	SW 7	S 5	SE 4	E 10	S 5	S 6	S 7	S 8	S 5	SW 7	SW 6	S	9.0	SE 18
28.....	E 16	E 16	E 16	E 16	E 15	E 12	E 15	E 14	E 13	E 15	E 15	E	12.1	E 24
29.....	E 18	E 17	E 18	E 17	E 17	E 15	E 12	E 11	E 10	E 11	E 11	E	13.6	E 21
30.....	SE 17	E 14	E 16	NE 18	NE 19	NE 20	NE 20	NE 19	NE 19	NE 24	NE 24	SE	18.4	NE 29
31.....	E 13	E 12	E 12	E 13	E 15	E 15	SE 16	E 14	E 14	E 15	E 13	E	15.0	NE 27
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	E	E	12.1	24.2
Mean velocity.....	11.9	11.6	11.7	12.2	12.2	12.2	12.9	12.5	11.7	12.2	12.2			

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

JUNE 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	SE 12	SE 12	S 10	SE 9	E 17	E 18	SE 17	SE 19	SE 20	SE 19	SE 17	SE 17	SE 17
2.....	NE 16	N 19	N 20	N 20	N 23	N 23	N 23	N 20	N 17	NE 17	NE 15	NE 9	NE 7
3.....	SE 26	E 24	E 21	E 22	E 21	F 22	E 20	E 18	E 18	E 23	E 20	E 19	E 18
4.....	E 25	E 21	E 19	E 20	E 23	E 21	E 22	E 25	E 23	E 21	E 19	N 21	NE 23
5.....	E 23	E 27	SE 26	E 25	E 22	SE 22	E 19	E 16	SE 16	E 12	E 7	E 17	E 10
6.....	E 15	SW 6	W 4	W 5	NW 6	SW 5	SW 6	SW 6	SW 8	SW 11	SW 9	SW 11	SW 9
7.....	SW 25	SW 21	SW 17	SW 17	SW 15	SW 16	SW 14	SW 15	SW 8	SW 9	SW 7	SW 7	SW 7
8.....	SE 4	E 10	SE 6	W 6	W 4	W 3	W 4	SW 4	S 5	S 7	S 9	SE 17	E 24
9.....	E 17	E 19	E 19	E 16	E 14	E 12	E 9	E 16	E 14	E 14	E 13	E 10	E 10
10.....	E 15	E 17	E 17	E 16	E 15	SE 13	SE 13	SE 13	SE 17	SE 19	SE 23	SE 22	SE 28
11.....	E 13	E 17	SE 21	E 22	E 18	E 18	SE 17	SE 16	SE 16	SE 16	SE 17	E 13	E 10
12.....	W 2	SW 4	SW 4	S 6	S 6	SW 5	SW 5	S 6	E 4	E 5	S 6	S 8	SW 6
13.....	SW 6	SW 5	SW 5	SW 9	SW 7	SW 8	S 8	S 7	SW 7	SW 5	SW 5	SW 6	SW 7
14.....	S 14	SW 17	SW 17	S 10	S 12	S 17	S 16	S 14	S 12	S 11	S 9	S 10	E 23
15.....	E 20	E 21	E 18	E 15	SE 17	SE 17	SE 13	SE 13	SE 15	SE 17	SE 17	S 17	E 17
16.....	SE 6	N 6	N 11	NE 14	NE 14	NE 13	NE 12	NE 13	NE 15	NE 17	NE 18	N 19	NE 22
17.....	N 25	N 21	NE 22	NE 19	NE 21	NE 18	NE 15	NE 12	E 13	E 15	E 15	E 17	E 13
18.....	S 11	S 10	S 6	SW 7	SW 3	SW 4	SW 5	SW 7	SW 8	SW 8	SW 10	S 10	SW 3
19.....	SW 5	SW 6	SW 4	SW 4	S 3	S 5	S 8	S 7	S 5	S 2	S 2	SE 13	SE 17
20.....	E 16	E 17	E 13	E 9	SE 6	SW 4	SW 6	S 7	S 7	S 8	E 12	E 14	E 15
21.....	SW 2	E 6	E 2	E 5	E 5	SW 3	SW 5	SW 7	SW 7	SW 5	SW 3	SW 3	SW 4
22.....	SW 3	SW 3	SW 3	SW 4	SW 3	SW 3	SW 3	SW 3	SW 4	SW 3	SW 3	SW 2	S 3
23.....	E 11	E 10	E 9	E 9	E 10	E 11	E 10	E 12	E 11	E 16	E 16	E 13	E 12
24.....	SW 21	SW 20	SW 15	S 16	S 13	S 8	S 4	SW 2	SE 9	E 22	E 21	E 22	E 25
25.....	E 16	E 16	E 15	E 17	E 20	E 19	E 20	E 17	E 21	E 21	E 20	E 19	E 20
26.....	SE 21	SE 22	E 20	E 17	E 19	E 19	E 19	E 17	E 17	SE 12	SE 8	SE 9	SE 3
27.....	S 6	S 8	S 8	S 5	S 4	S 6	S 5	S 3	S 6	E 8	E 3	SE 5	SE 4
28.....	SW 9	SW 10	SW 9	SW 12	SW 9	SW 7	SW 8	SW 7	SW 8	SW 5	SW 3	SW 5	SW 6
29.....	SW 2	SW 2	SW 4	S 5	S 2	S 5	S 5	S 4	S 4	S 4	SW 5	SW 4	SW 6
30.....	SW 5	W 7	W 7	W 5	W 8	W 9	W 6	W 8	SW 14	SW 12	SW 12	SW 12	SW 11
Prevailing direction.....	E	E	E	E	E	SW	SW	SW	E, SW	E	E	E	E
Mean velocity.....	13.1	13.5	12.4	12.2	12.0	11.8	11.2	11.1	11.6	12.1	11.5	12.4	12.9

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
														Dir. Vel.
<i>Day</i>														
1.....	SE 20	SE 21	E 20	E 14	E 11	E 11	E 11	E 10	NE 12	NE 14	NE 13	SE	15.0	SE 25
2.....	E 8	E 9	E 12	E 16	E 20	SE 20	S 15	S 15	S 17	SE 29	SE 28	N	17.4	SE 34
3.....	SE 21	E 26	E 25	E 22	E 20	E 19	E 22	E 20	E 22	E 22	E 22	E	21.4	SE 31
4.....	NE 26	NE 23	NE 17	NE 16	NE 11	E 13	E 18	SE 26	E 26	E 26	E 23	E	21.2	SE 31
5.....	SE 3	S 12	SE 13	E 4	E 2	NE 4	NW 3	SW 5	S 10	E 12	E 21	E	13.8	E 31
6.....	S 16	S 13	S 14	S 22	S 24	SW 30	SW 25	SW 19	SW 24	SW 30	SW 29	SW	14.5	SW 36
7.....	SW 5	S 7	SW 4	SW 6	SW 6	SW 4	SW 6	SW 5	S 6	S 7	S 3	SW	9.9	SW 31
8.....	E 20	E 21	E 20	E 17	SE 18	SE 19	E 18	SE 19	SE 17	E 15	E 17	E	12.7	E 26
9.....	E 7	E 6	SE 8	E 10	E 13	E 12	E 12	E 11	E 11	E 12	E 14	E	12.5	E 22
10.....	SE 27	SE 28	E 27	E 18	E 18	E 18	E 18	E 21	E 24	E 24	E 17	E	19.5	SE 34
11.....	SE 12	E 6	E 6	W 5	NW 3	W 7	W 4	W 7	W 5	0	NE 2	E	11.2	SE 26
12.....	SW 7	S 10	S 5	SW 6	SW 7	S 9	S 6	SW 9	SW 9	SW 9	SW 7	SW	6.3	S 12
13.....	SW 7	SW 7	SW 8	S 12	SW 10	SW 17	S 20	S 17	S 9	SW 13	S 18	SW	9.3	S 23
14.....	E 21	E 16	NE 11	E 12	E 17	E 16	E 19	E 20	E 21	E 18	E 18	E	15.5	E 29
15.....	E 15	E 11	E 11	E 9	E 6	E 7	E 9	E 10	E 7	SE 9	SE 8	E	13.3	E 24
16.....	NE 22	NE 21	NE 20	NE 20	N 17	NE 18	NE 17	NE 18	N 18	N 19	N 22	NE	16.3	N 26
17.....	SE 14	SE 12	SE 13	SE 6	W 4	SW 5	SW 7	SW 4	SW 10	S 14	S 10	NE	13.6	N 27
18.....	SW 5	SW 5	W 7	SW 7	SW 9	SW 8	SW 8	SW 7	SW 5	SW 6	SW 6	SW	7.0	SW 16
19.....	SE 14	SE 15	SE 17	E 16	SE 13	SE 13	E 13	E 11	E 9	SE 7	SE 12	SE	9.2	E 20
20.....	E 11	SE 12	SE 12	E 4	SE 6	SE 5	SE 6	SE 8	SE 4	SE 2	SW 4	SE, E	8.7	E 18
21.....	SW 3	SW 4	SW 5	0	SW 3	SW 4	SW 6	SW 4	SW 2	SW 3	SW 4	SW	4.0	SW 8
22.....	S 2	S 4	S 3	SE 4	SE 3	E 5	E 5	E 7	E 4	E 6	E 9	SW	3.8	E 14
23.....	E 7	E 5	S 2	S 4	W 6	SW 11	SW 14	SW 13	SW 16	SW 17	SW 17	E	10.9	SW 21
24.....	E 24	E 21	E 24	E 22	E 20	E 17	E 20	E 19	E 20	E 18	E 16	E	17.5	E 31
25.....	E 20	E 17	E 17	E 15	E 16	E 15	SE 17	SE 22	SE 21	SE 18	SE 22	E	18.4	SE 27
26.....	SE 2	SE 3	SE 4	SE 3	SE 4	SE 2	SE 4	SE 5	SE 4	SE 4	S 5	SE	10.1	E 26
27.....	SE 4	SE 4	SE 2	SE 3	SE 3	SE 3	S 5	S 5	S 9	SW 7	SW 8	S	5.2	E 10
28.....	SW 5	SW 4	SW 3	SW 4	SW 5	SW 3	SW 6	SW 4	SW 4	SW 3	SW 3	SW	5.0	SW 14
29.....	SW 5	SW 7	SW 7	SW 6	SW 5	SW 6	SW 10	W 13	W 12	W 11	SW 9	SW	6.0	SW 17
30.....	SW 10	SW 6	W 5	SW 11	SW 14	SW 13	SW 13	SW 14	SW 10	W 11	SW 11	SW	9.8	SW 17
Prevailing direction.....	E, SE	E	E	E	E	E, SW	E	SW	E	E	SW	E	12.0	23.6
Mean velocity.....	12.1	11.9	11.4	10.5	10.5	11.1	11.9	12.3	12.3	12.9	13.3			

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

JULY 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1		1-2		2-3		3-4		4-5		5-6		6-7		7-8		8-9		9-10		10-11		11-12		12-13	
Day	W	6	W	7	W	10	W	7	W	11	SW	5	S	4	SE	8	E	12	E	14	E	16	E	17	E	14
1.....	S	4	S	7	S	7	S	8	S	7	S	6	S	4	S	4	S	5	S	5	S	5	S	3	S	5
2.....	SW	5	SW	5	SW	6	SW	5	SW	6	SW	2	SW	2	SW	3	SW	3	SW	3	SW	4	SW	2		0
3.....	S	5	S	6	S	5	SW	7	S	7	SW	4	SW	3	SW	7	SW	6	SW	7	SW	3	SE	23	E	23
4.....	E	15	E	13	E	12	E	11	E	10	E	9	E	10	E	9	E	14	E	14	E	14	E	13	E	13
5.....	E	6	E	8	E	3	E	2	E	2	E	2		0	E	3	W	5	W	6	SW	6	SW	8	SW	7
6.....	W	5	W	6	W	6	W	6	W	6	SW	7	W	7	W	7	W	7	W	7	W	5	W	5	W	4
7.....	W	3	W	3	W	3	SW	3	SW	3	SW	4	SW	3	SW	4	SW	5	SW	5	SW	6	S	5	S	5
8.....	SE	13	SE	10	S	8	S	10	SW	8	SW	10	SW	13	S	9	S	10	S	9	W	7	SW	9	SW	5
9.....	SW	13	SW	14	SW	14	SW	16	SW	15	SW	11	S	13	S	13	S	14	SW	13	SW	15	SW	14	SW	
10.....	SW	16	SW	16	SW	17	SW	13	SW	8	W	10	W	9	W	6	W	6	W	5	W	5	W	3	W	4
11.....	SW	11	SW	14	SW	9	SW	6	SW	4	SW	7	S	10	S	11	SW	6	S	10	SW	7	SW	13	SW	16
12.....	W	11	W	8	W	9	W	9	W	12	W	11	W	10	SW	12	SW	9	SW	8	SW	8	SW	8	W	10
13.....	S	5	S	5	SE	4	SE	3	SE	4	SE	6	E	11	E	6	S	4	S	4	S	5	S	5	SW	6
14.....	E	7	SE	11	SE	14	SE	21	SE	19	S	14	S	12	S	11	S	11	S	11	S	10	S	12	S	10
15.....	S	13	S	12	S	12	S	13	S	15	S	16	SW	8	W	8	SW	10	S	10	SW	11	S	15	SW	12
16.....	SW	13	SW	12	SW	12	SW	7	W	8	W	5	W	4	W	3	W	3	W	3	W	2	W	5	E	8
17.....	SE	16	S	7	S	6	SW	5	W	6	W	9	W	8	W	6	W	7	W	9	W	10	W	10	W	10
18.....	W	5	W	3	W	5	W	3	W	3	W	3	W	7	W	5	W	2	W	7	W	13	NE	13	NE	14
19.....	N	25	N	29	N	27	W	17	W	9	W	7	W	4	W	4	NW	8	NW	8	W	5	W	2	W	4
20.....	SW	8	SW	9	SW	10	SW	7	SW	8	SW	10	SW	9	SW	8	SW	9	SW	8	SW	9	SW	8	SW	9
21.....	SW	4	SW	7	E	20	E	27	E	29	E	27	E	31	E	35	E	35	E	34	SE	33	E	40	SE	49
22.....	SW	17	SW	10	SW	16	SW	9	SW	6	W	11	SW	12	SW	10	S	6	S	6	S	4	S	5	S	7
23.....	SE	20	SE	19	SE	17	SE	18	SE	19	SE	27	SE	34	SE	34	SE	34	SE	42	SE	43	SE	47	SE	49
24.....	SE	28	SE	26	SE	26	SE	27	SE	27	SE	22	SE	23	SE	22	SE	19	SE	17	SE	16	SE	15	SE	15
25.....	SE	17	SE	20	SE	22	SE	24	SE	23	SE	24	SE	22	SE	20	SE	22	SE	23	SE	21	SE	19	SE	18
26.....	SE	17	SE	17	SE	17	SE	17	SE	17	E	13	NE	11	NE	15	NE	15	NE	14	NE	10	NE	10	N	8
27.....	SW	10	SW	11	SW	12	SW	14	SW	11	SW	9	SW	10	SW	10	SW	9	SW	7	SW	7	SW	6	SW	6
28.....	S	3	S	6	SW	5	W	7	SW	4	S	4	S	3	SW	4	SW	2	SW	4	SW	4	SW	3	SW	3
29.....	W	7	W	4	W	4	W	4	W	5	W	7	W	7	W	6	W	7	SW	7	SW	8	SW	10	SW	9
30.....	S	3	S	4	S	4	S	4	S	2	S	3	S	2	S	4	S	3	S	2	S	2	SW	4	SW	3
Prevailing direction.....	SW		SW		SW		SW		SW		SW		W, SW		W, SW		SW		SW		SW		SW		SW	
Mean velocity.....	10.7		10.6		10.8		10.6		10.1		9.8		9.9		9.9		9.9		10.4		10.1		11.4		11.6	

Hour.....	13-14		14-15		15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		Prevailing direction	Mean velocity	Maximum wind	
Day																						Dir.			Vel.	
1.....	E	10	E	11	SE	12	E	14	E	9	S	8	S	8	S	6	S	5	S	6	S	7	E	9.5	E	19
2.....	S	5	S	4	S	5	S	7	S	9	S	11	SW	10	SW	6	S	7	SW	6	SW	5	S	6.0	S	17
3.....	SW	2	SW	2	SW	2	SW	2	SW	4	SW	3	S	4	S	4	SE	2	SE	2	SE	3	SW	3.2	SW	9
4.....	E	25	E	22	E	19	E	17	E	17	E	17	E	17	E	17	E	14	E	11	E	15	E	12.4	E	27
5.....	E	13	E	12	E	14	E	10	E	8	E	8	E	7	E	10	E	8	E	9	E	10	E	11.1	E	20
6.....	W	8	W	7	W	7	W	6	W	6	W	6	W	5	W	5	W	7	W	4	W	4	W	5.1	SW	10
7.....	W	2	W	4	W	2	W	4	W	5	W	4	W	6	W	5	W	6	SW	2	SW	3	W	5.0	W	11
8.....	S	6	S	5	SE	6	SE	3	SE	5	SE	10	E	11	SE	14	S	15	E	15	E	14	SW	6.5	E	17
9.....	S	6	SE	13	SE	11	SE	6	SW	5	SW	10	S	13	SW	11	S	13	SW	11	SW	11	SW	9.6	SE	17
10.....	SW	14	SW	14	SW	16	SW	16	SW	15	SW	19	SW	17	SW	14	SW	17	SW	17	SW	14	SW	14.4	SW	23
11.....	W	4	W	4	W	7	W	11	SW	10	W	6	W	8	W	10	W	9	SW	13	SW	13	W	8.9	SW	20
12.....	SW	13	SW	17	SW	13	W	7	W	7	W	7	W	9	SW	13	SW	11	SW	11	W	9	SW	10.0	SW	17
13.....	W	7	SW	6	SW	3	SW	3	S	4	S	5	S	4	S	4	S	4	S	5	S	4	W	7.2	SW	16
14.....	SW	12	E	28	E	31	E	33	E	26	E	28	E	33	SE	34	SE	32	SE	26	E	13	E	15.2	SE	40
15.....	S	11	S	8	S	8	S	6	S	7	S	11	S	10	S	11	S	12	S	8	SW	12	S	11.1	SE	25
16.....	S	12	SW	14	SW	15	SW	16	SW	15	SW	14	SW	15	SW	14	SW	11	SW	13	SW	13	SW	12.8	SW	17
17.....	E	9	E	11	E	10	SE	16	SE	14	SE	22	SE	19	SE	17	SE	19	SE	20	SE	18	SE, W	10.8	E	25
18.....	W	10	W	6	W	7	W	4	W	5	W	5	W	3	W	2	W	3	W	3	W	4	W	6.7	SE	18
19.....	NE	13	NE	14	NW	18	NW	17	NW	16	N	18	N	20	N	22	N	23	N	23	N	23	W	12.1	N	27
20.....	W	4	SE	6	SE	4	SE	5	E	4	E	6	NE	15	N	13	N	12	SW	7	SW	5	W	9.6	W	34
21.....	SW	8	SW	7	W	8	W	6	W	5	W	5	W	4	W	3	W	4	W	3	W	5	SW	7.1	SW	14
22.....	SE	46	SE	49	SE	50	SE	48	SE	45	SE	44	SE	43	SE	38	S	22	S	15	W	9	SE	32.5	SE	59
23.....	S	2	S	5	S	5	S	3	S	3	S	7	S	6	S	4	S	6	SE	12	SE	10	S	7.7	SE	23
24.....	SE	48	SE	46	SE	44	SE	44	SE	42	SE	43	SE	37	SE	31	SE	32	SE	32	SE	30	SE	34.7	SE	56
25.....	SE	16	SE	16	SE	10	S	6	S	8	S	7	SE	15	SE	14	SE	13	SE	19	SE	17	SE	17.7	SE	34
26.....	SE	18	SE	18	SE	18	SE	17	SE	17	SE	17	SE	17	SE	17	SE	17	SE	17	SE	18	SE	19.4	SE	26
27.....	N	2	N	4	E	4	E	4	E	6	SE	8	SE	8	SE	6	S	11	S	12	SW	12	SE	10.8	SE	20
28.....	SW	7	SW	7	SW	7	W	6	SW	6	SW	7	SW	6	W	5	W	4	SW	6	SW	3	SW	7.8	SW	16
29.....	SW	2	SW	4	SW	2	SW	2	SW	4	SW	6	SW	7	SW	8	W	7	W	6	W	6	SW	4.4	W	9
30.....	SW	6	SW	8	SW	11	SW	9	SW	8	SW	8	W	7	SW	6	S	4	S	8	S	8	SW	7.0	SW	12
31.....	S	4	S	5	S	4	SW	5	SW	5	SW	5	SW	6	SW	7	SW	6	SW	5	SW	7	S	4.1	SW	7
Prevailing direction.....	SW		SW		SW, SE		SW		SW		W		SE, SW		S		SW		SW		SW		SW			
Mean velocity.....	11.1		12.2		12.0		11.4		11.0		12.1		12.6		12.0		11.5		11.2		10.8		11.0		22.1	

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

AUGUST 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SW 6	W 6	W 7	W 10	SW 10	SW 11	SW 11	SW 9	SW 9	W 9	SW 11	SW 11	W 13
2	E 4	E 9	E 8	E 11	E 11	E 10	E 10	E 9	E 12	E 13	E 13	S 6	S 9
3	E 12	E 12	SE 13	E 14	E 11	E 7	E 11	SE 6	S 9	S 7	E 2	E 2	SW 6
4	W 4	W 5	SW 4	S 3	SW 3	0	SW 2	SW 4	SW 5	SW 6	SW 10	S 11	S 9
5	E 10	E 17	E 20	E 20	E 17	E 18	E 18	E 18	E 18	E 19	E 17	SE 17	E 17
6	E 19	E 14	E 7	SE 7	S 6	S 5	SW 4	W 6	W 8	W 7	W 8	W 8	W 9
7	S 3	S 4	SW 3	S 3	S 2	S 4	S 4	S 4	S 4	S 4	S 3	S 3	S 3
8	SE 6	SE 3	SE 3	SE 3	SE 4	SE 3	SE 4	E 8	E 8	E 11	E 11	E 12	E 13
9	SW 3	SW 3	SW 6	SW 6	S 7	S 9	S 11	S 9	S 8	SE 11	SE 11	SE 10	SE 16
10	SE 4	SW 5	SW 5	SW 5	S 2	S 3	S 6	SE 8	SE 4	S 2	S 3	S 5	S 5
11	W 3	SW 3	SW 2	SW 3	S 9	S 11	SW 11	S 8	S 14	SW 19	SW 22	SW 21	SW 20
12	S 7	S 7	S 7	S 5	S 7	S 7	SW 7	SW 7	W 7	W 6	W 7	W 6	W 5
13	SW 9	SW 8	W 10	SW 16	SW 18	SW 12	W 12	SW 10	W 9	SW 10	W 14	SW 12	SW 13
14	NW 7	W 7	NW 6	NW 7	NW 7	NW 9	NW 10	NW 9	NW 9	W 5	NW 7	NW 8	NW 7
15	W 5	W 6	SW 4	SW 5	S 7	S 6	S 5	S 5	S 8	S 7	S 7	S 4	E 5
16	S 36	S 36	S 35	S 35	S 34	S 34	S 34	S 31	S 29	S 27	S 25	SE 24	E 24
17	S 7	S 8	S 7	SW 11	SW 13	SW 14	SW 14	SW 16	SW 14	SW 16	SW 16	SW 15	SW 16
18	W 8	W 9	W 7	W 7	W 6	W 6	W 6	W 7	W 4	W 4	W 3	W 3	NW 6
19	N 8	E 7	E 8	N 14	N 14	E 14	E 15	E 16	E 15	E 18	E 18	E 17	E 18
20	SW 2	SW 3	SW 2	SW 2	SW 3	SW 2	SW 3	S 3	SW 3	SW 5	SW 4	SW 3	SW 3
21	W 4	W 2	W 3	W 5	W 3	W 3	W 3	0	W 3	W 4	W 4	W 5	W 3
22	SW 5	S 7	S 9	E 9	E 9	E 11	E 9	E 11	E 12	E 10	E 15	E 15	E 14
23	S 2	S 3	S 2	S 2	0	S 2	S 2	0	S 2	S 2	S 2	S 3	S 4
24	SW 4	SW 3	SW 4	SW 2	SW 5	SW 2	SW 2	0	SW 3	SW 3	SW 2	SW 7	E 11
25	SE 3	S 6	S 8	SW 8	SW 7	SW 4	SW 5	SW 3	SW 3	SW 5	SW 4	SW 7	SW 10
26	SW 8	SW 11	SW 14	SW 14	SW 16	SW 12	SW 15	SW 16	SW 6	SW 6	SW 8	SW 8	SW 13
27	W 6	W 4	W 6	W 4	W 4	W 4	W 4	W 6	W 7	W 8	W 5	W 2	W 4
28	E 34	E 34	E 35	E 37	E 37	NE 32	NE 33	NE 32	NE 31	NE 30	NE 27	NE 29	NE 27
29	E 11	E 10	E 9	E 8	E 11	E 9	E 11	E 8	E 6	SE 4	SE 3	SE 4	SE 3
30	S 2	S 2	S 2	S 2	S 2	S 2	S 2	S 3	S 2	S 3	S 2	S 3	0
31	S 3	S 3	S 2	S 5	S 3	S 5	S 4	S 5	0	S 4	S 6	SW 14	W 14
Prevailing direction	S, SW	S	SW	SW	S	S	SW	S	S	S, SW	SW	SW	SW
Mean velocity	7.9	8.3	8.3	9.1	9.3	8.6	9.3	8.9	8.8	9.2	9.5	9.5	10.4

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
														Dir. Vel.
Day														
1	W 13	W 9	W 10	W 10	W 9	W 10	W 8	W 8	SW 7	N 2	N 4	W	8.9	SW 17
2	S 6	S 4	S 3	SE 12	SE 14	E 16	E 17	E 18	E 16	E 15	E 14	E	10.8	E 22
3	S 8	S 2	S 4	N 3	W 5	W 3	SW 3	E 3	SE 6	SE 6	S 3	E	6.6	E 15
4	S 7	W 6	W 6	W 6	W 6	W 5	S 5	E 6	E 6	E 7	E 8	W, SW	5.6	S 17
5	E 18	SE 18	E 16	E 16	E 17	E 17	E 20	E 22	E 20	E 21	E 19	E	17.9	E 25
6	W 11	SW 12	SW 13	SW 16	SW 13	SW 8	SW 8	S 7	S 4	S 3	S 4	SW, W	8.6	E 25
7	S 4	S 6	S 5	SW 5	SW 4	SW 2	SW 2	SW 3	SW 2	SW 2	SW 3	S	3.5	SW 8
8	E 12	E 11	E 13	E 11	E 10	E 9	E 9	E 9	E 6	E 4	S 5	E	7.8	E 14
9	SE 12	SE 4	S 6	S 5	S 6	S 3	S 5	S 7	S 6	S 2	S 7	S	7.2	SE 18
10	S 4	W 3	W 4	SW 5	W 4	W 3	W 3	W 2	W 2	W 3	W 2	W	3.8	SE 13
11	SW 9	SW 13	SW 13	S 15	SW 12	SW 12	S 10	S 8	S 7	S 7	S 7	SW	10.8	SW 27
12	W 6	W 6	W 7	W 8	W 6	W 6	W 7	W 7	SW 11	SW 8	SW 5	W	6.8	SW 13
13	W 9	W 11	W 13	W 5	W 7	W 8	W 5	W 6	W 5	W 9	W 5	W	9.8	SW 25
14	NW 11	NW 10	NW 9	W 9	W 7	W 10	W 8	W 9	W 8	W 8	W 6	NW	8.0	W 16
15	E 7	E 12	E 16	E 17	S 21	S 21	S 19	S 22	S 28	S 34	S 35	S	12.8	S 42
16	E 23	E 18	E 17	E 20	SE 17	S 14	S 11	SW 5	SW 6	SW 7	S 7	S	22.9	S 43
17	W 15	W 14	W 13	W 11	W 7	W 8	W 11	W 10	W 9	W 13	W 11	W	12.0	SW 18
18	NW 2	NW 3	E 6	E 6	E 9	E 10	N 13	N 5	N 9	N 5	N 8	W	6.3	N 16
19	E 18	E 16	E 11	E 14	E 15	SE 11	S 6	SW 4	SW 2	S 3	SW 2	E	11.8	E 24
20	SW 8	S 5	S 8	S 6	S 6	W 9	W 8	W 7	W 3	W 5	W 4	SW	4.5	SW 15
21	W 4	W 4	W 3	W 2	W 2	W 2	W 3	W 3	W 4	W 3	W 4	W	3.2	W 7
22	E 12	E 9	E 10	E 11	E 9	E 3	S 6	S 3	S 2	S 3	S 2	E	8.6	E 19
23	SW 4	SW 6	SW 5	SW 4	SW 3	SW 4	SW 2	SW 2	SW 2	SW 3	SW 4	SW, S	2.7	SW 8
24	E 14	E 11	E 10	E 11	E 9	E 7	E 7	E 3	E 3	SE 4	SE 4	SW	5.5	E 16
25	SW 9	SW 8	SW 5	SW 11	SW 7	SW 3	SW 4	SW 4	SW 4	SW 6	SW 5	SW	5.8	SW 13
26	SW 10	SW 12	SW 13	SW 12	SW 10	SW 12	SW 8	SW 5	W 7	W 8	W 5	SW	10.4	SW 19
27	W 4	E 4	E 9	E 9	E 6	E 11	E 16	E 17	E 18	E 26	E 29	W	8.9	E 33
28	NE 26	NE 19	NE 18	E 14	E 11	E 11	E 13	E 12	E 11	E 13	E 13	E	24.1	E 45
29	SE 4	SE 2	SE 4	SE 3	SE 3	SE 4	E 4	S 3	S 4	S 2	S 3	SE, E	5.5	E 13
30	S 2	S 3	S 2	S 2	0	S 2	S 2	S 2	0	S 2	S 2	S	1.9	S 5
31	SW 15	SW 12	SW 14	W 16	W 17	W 17	W 17	SW 14	SW 11	SW 12	SW 12	S	9.4	W 21
Prevailing direction	E, W	E, W	E	E	W	W	W	E, W	SW	S	S	SW		
Mean velocity	9.9	8.8	9.2	9.5	8.8	8.4	8.4	7.6	7.4	7.9	7.8		8.8	19.7

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

SEPTEMBER 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	SW 13	W 12	W 10	W 10	SW 6	SW 10	SW 7	SW 9	SW 9	W 11	SW 8	SW 10	S 12
2.....	S 6	S 9	SE 7	E 9	E 12	E 12	NE 16	NE 14	NE 14	NE 17	NE 13	NE 13	E 17
3.....	S 24	S 27	S 26	S 17	S 13	S 12	S 10	S 10	S 10	S 7	S 5	S 5	E 8
4.....	SW 10	SW 12	SW 13	SW 13	SW 12	W 7	W 8	W 10	W 6	N 4	N 5	E 8	N 10
5.....	N 31	NE 29	NE 25	NE 23	NE 17	E 20	E 17	E 15	E 17	SE 13	SE 14	E 16	E 17
6.....	SW 6	SW 4	SW 3	W 8	SW 9	W 9	W 9	W 9	W 5	W 4	W 6	W 6	W 6
7.....	W 7	W 12	W 9	W 6	W 5	W 7	W 5	W 6	W 5	W 8	W 7	W 7	W 8
8.....	W 5	W 5	W 4	W 5	W 5	W 3	W 4	SW 3	SW 4	SW 3	SW 2	W 3	W 2
9.....	NW 2	NW 4	N 5	NE 9	E 14	NE 11	NE 11	NE 13	E 19	E 18	E 18	SE 14	SE 14
10.....	S 26	SW 26	SW 26	SW 21	SW 23	SW 23	SW 25	SW 21	SW 19	SW 17	SW 15	SW 10	SW 12
11.....	E 9	E 10	E 10	E 13	E 17	E 17	E 17	E 16	E 17	E 19	E 17	E 14	SE 8
12.....	S 7	S 7	S 9	S 8	S 7	S 7	S 4	S 6	S 10	S 10	S 8	S 8	S 6
13.....	S 3	S 3	S 3	S 2	S 3	S 3	S 4	S 4	S 4	S 3	S 4	S 4	S 5
14.....	S 4	S 3	S 5	S 5	S 4	S 5	S 3	S 5	S 5	S 2	S 4	S 3	S 5
15.....	E 21	E 22	E 22	E 23	E 23	E 20	E 22	E 23	E 23	E 22	E 24	E 22	E 22
16.....	E 25	E 26	E 25	E 22	E 19	E 18	E 17	E 16	E 15	E 15	E 14	E 7	SE 6
17.....	S 6	S 7	S 7	S 5	S 6	S 5	S 6	S 7	S 8	S 7	S 9	SW 8	W 10
18.....	W 4	W 6	W 6	W 8	NE 5	NE 2	NE 5	NE 6	E 7	E 5	E 5	E 6	E 7
19.....	E 8	E 11	E 14	E 13	E 13	E 14	E 16	E 14	E 14	E 13	E 13	E 12	NE 14
20.....	E 38	E 39	E 37	E 39	E 37	E 36	E 36	E 37	E 35	E 34	E 34	E 35	E 34
21.....	E 29	E 29	E 29	E 29	E 28	E 26	E 26	E 26	E 26	E 25	E 26	E 24	E 23
22.....	E 7	E 4	E 3	E 5	E 8	E 5	E 7	E 3	0	0	0	0	E 2
23.....	E 9	E 9	E 9	E 10	E 10	E 10	E 11	E 11	E 12	E 11	E 10	E 12	E 12
24.....	N 8	N 7	NE 6	SW 8	SW 9	SW 14	SW 13	SW 13	SW 14	SW 12	SW 11	W 9	W 9
25.....	W 3	W 4	W 2	W 3	W 3	W 3	W 4	W 3	SW 8	SW 11	SW 12	SW 9	SW 10
26.....	SW 18	SW 19	SW 17	SW 17	SW 19	SW 15	SW 17	SW 17	SW 19	SW 19	SW 17	SW 12	SW 13
27.....	SW 9	SW 14	SW 15	SW 14	SW 17	W 11	W 12	W 13	W 11	SW 12	W 9	SW 11	SW 17
28.....	NW 17	NW 21	W 16	W 9	W 8	S 6	S 2	S 3	NW 5	N 6	W 13	W 10	W 11
29.....	SW 10	W 4	W 10	W 7	E 5	E 7	E 6	SW 6	SW 9	SW 12	SW 9	SW 8	W 9
30.....	NW 4	E 7	E 11	E 12	E 15	E 15	E 14	E 13	N 11	N 12	N 13	N 14	N 18
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity.....	12.4	13.0	12.8	12.4	12.4	11.7	11.8	11.7	12.0	11.7	11.5	10.7	11.6

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
														Dir. Vel.
<i>Day</i>														
1.....	S 12	S 11	S 9	S 4	S 11	S 11	S 8	S 8	S 6	S 5	S 3	S	9.0	W 15
2.....	E 22	E 17	E 11	E 11	SE 15	SE 15	SE 17	S 15	SW 10	S 14	S 20	E	13.6	E 26
3.....	E 8	S 7	S 7	SW 7	SW 6	SW 8	SW 11	SW 16	SW 18	SW 19	SW 13	S	12.2	S 34
4.....	N 22	N 26	N 29	N 27	N 33	N 34	N 31	N 32	N 31	N 29	N 33	N	18.5	N 40
5.....	E 10	E 6	S 6	S 5	W 4	S 7	S 6	SW 6	SW 4	W 6	W 5	E	13.3	NE 32
6.....	W 5	W 4	W 3	W 2	W 3	N 3	N 4	N 3	N 2	W 8	W 9	W	5.4	W 12
7.....	W 8	W 6	W 6	W 5	W 5	W 6	W 5	W 2	W 2	W 4	W 3	W	6.0	W 14
8.....	W 4	NW 8	NW 4	NW 2	NW 2	NW 3	NW 2	NW 3	NW 3	NW 4	W, NW	W, NW	3.5	NW 9
9.....	SE 15	SE 16	SE 9	SE 15	S 14	S 17	S 20	S 18	S 26	S 15	S 21	S	14.1	S 29
10.....	SW 7	SW 8	SW 7	W 6	W 2	W 4	W 2	W 3	W 2	W 2	W 4	SW	13.0	S 31
11.....	SE 4	SE 4	S 5	S 5	S 6	S 5	S 5	S 5	S 4	S 5	S 5	E	9.9	E 21
12.....	S 6	S 6	S 7	S 3	S 3	S 3	S 2	S 5	S 4	S 4	S 6	S	6.2	S 14
13.....	S 4	S 2	S 5	S 4	S 6	S 5	S 3	S 6	S 4	S 5	S 4	S	3.7	S 7
14.....	S 4	SE 4	E 11	E 11	E 9	E 13	E 12	E 12	E 19	E 20	E 20	S	7.8	E 23
15.....	E 24	E 21	E 17	E 17	E 22	E 24	E 22	E 21	E 20	E 25	E 24	E	21.9	E 29
16.....	SE 4	SE 5	SE 6	S 4	S 6	S 6	S 6	S 6	S 6	S 7	S 7	E	12.0	E 29
17.....	W 9	W 6	W 5	W 6	W 6	W 2	W 2	W 3	W 3	W 3	W 5	W	5.9	W 12
18.....	E 4	E 6	E 5	E 7	E 13	E 12	E 12	E 15	E 15	E 14	E 11	E	7.8	E 18
19.....	E 17	E 19	E 19	E 20	E 22	E 24	E 24	E 30	E 32	E 34	E 35	E	18.5	E 42
20.....	E 34	E 33	E 31	E 32	E 32	E 32	E 31	E 31	E 27	E 26	E 27	E	33.6	E 45
21.....	E 18	NE 21	NE 20	E 17	E 18	E 17	E 15	E 16	E 16	E 11	E 10	E	21.9	E 34
22.....	S 5	S 9	S 4	S 6	S 7	W 7	W 8	W 8	E 8	E 8	E 9	E	5.1	S 11
23.....	E 12	E 9	E 7	NW 7	NW 7	NW 7	N 14	N 10	N 8	N 12	N 9	E	9.9	N 16
24.....	SW 7	SW 6	SW 7	SW 7	W 6	W 5	W 4	W 3	W 3	W 3	W 3	SW	7.8	SW 15
25.....	SW 10	SW 10	SW 11	SW 13	SW 12	SW 9	S 10	S 9	S 10	SW 15	SW 18	SW	8.4	SW 22
26.....	S 9	S 10	SW 11	SW 13	SW 13	SW 16	W 12	SW 15	SW 10	W 9	W 11	SW	14.5	SW 24
27.....	S 12	S 10	S 6	S 8	S 5	W 3	W 3	N 3	N 9	N 10	NW 14	SW	10.3	SW 19
28.....	W 12	W 13	SW 17	SW 15	W 12	W 13	W 13	SW 13	SW 17	SW 16	SW 15	W	11.8	NW 25
29.....	SW 5	SW 5	W 4	W 5	SW 3	W 3	W 2	W 4	SW 3	W 2	NW 2	W, SW	5.8	SW 14
30.....	N 19	N 20	N 21	N 20	NW 19	N 21	NW 19	SW 17	SW 15	SW 13	SW 12	N	14.8	N 25
Prevailing direction.....	E	E, S	S	S	S	W	W	S	E, S, SW	W	E, S, W	E	11.5	23.0
Mean velocity.....	11.1	10.9	10.3	10.2	10.7	11.1	10.9	11.2	11.2	11.6	12.1			

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

OCTOBER 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	W 8	W 12	SW 13	SW 17	SW 17	SW 21	S 20	S 20	SW 16	S 14	S 8	S 10	S 10
2.....	SE 5	E 11	E 6	E 5	E 6	S 6	S 4	SE 4	S 5	S 5	S 4	S 3	S 4
3.....	SE 3	S 4	S 4	S 4	SE 8	S 7	S 3	S 5	E 12	E 13	E 15	E 14	S 15
4.....	E 19	E 16	E 20	E 20	E 23	E 20	E 20	E 22	E 20	E 21	E 21	E 20	E 19
5.....	E 19	E 17	E 19	E 18	E 20	E 18	E 20	E 21	E 19	E 18	E 17	E 15	SE 15
6.....	NE 10	NE 8	E 7	E 3	SW 13	SW 17	SW 21	SW 18	SW 17	W 17	W 14	W 11	W 11
7.....	NE 12	NE 12	N 10	N 14	N 16	N 16	N 15	S 12	S 15	NE 17	NE 16	NE 19	NE 17
8.....	E 30	E 29	E 31	E 30	E 32	E 33	E 36	E 42	E 41	N 40	N 41	N 42	NE 40
9.....	N 17	N 18	N 18	N 19	N 18	N 18	N 19	N 10	NW 8	N 10	N 10	N 17	N 15
10.....	N 11	N 10	N 9	N 10	N 10	N 8	N 9	N 8	N 9	E 11	E 12	E 11	E 10
11.....	E 20	E 23	E 25	E 24	E 21	E 22	E 22	E 20	E 20	E 21	E 24	E 21	E 21
12.....	E 2	E 2	E 2	SE 2	0	S 3	S 3	S 4	S 2	S 3	S 2	S 4	E 8
13.....	S 6	S 7	SE 4	SE 3	SW 4	S 6	S 7	S 5	S 5	S 6	E 15	E 17	E 21
14.....	E 13	E 12	E 10	E 9	E 9	N 11	N 11	N 9	E 9	E 10	E 11	NE 12	N 12
15.....	E 12	E 11	E 13	E 13	E 10	E 10	E 9	E 9	E 9	E 8	E 4	NW 5	NW 7
16.....	N 3	N 3	N 5	N 8	N 6	NW 7	NW 8	N 11	N 13	NW 14	NW 16	NW 15	NW 13
17.....	N 10	N 9	N 10	E 11	E 11	E 10	E 12	E 14	E 15	E 15	E 16	E 16	E 17
18.....	E 17	E 15	E 15	E 14	E 14	E 13	E 9	E 9	E 9	E 10	E 9	E 11	E 11
19.....	W 2	W 2	W 3	SW 2	W 2	W 2	W 3	S 2	S 3	S 2	E 4	E 4	S 3
20.....	SE 17	SE 18	SE 18	S 25	S 26	S 25	SW 21	SW 20	SW 21	SW 23	SW 20	SW 23	SW 24
21.....	S 18	S 17	S 19	S 25	S 26	S 25	SW 21	SW 20	SW 21	SW 23	SW 20	SW 23	SW 24
22.....	W 21	W 18	W 16	W 16	W 17	W 14	W 14	W 18	SW 20	SW 22	SW 23	SW 22	SE 4
23.....	SW 6	S 2	E 3	NE 4	W 5	SE 4	S 2	S 2	SE 2	S 3	S 3	S 2	SE 4
24.....	E 16	E 16	E 14	E 14	E 15	E 15	E 16	E 16	E 17	E 17	E 16	E 16	E 16
25.....	E 14	E 13	E 9	SE 5	SE 7	SE 6	E 11	E 9	SE 7	S 5	S 4	SW 6	SW 6
26.....	SW 8	SW 9	SW 8	SW 9	SW 8	S 12	SW 11	SW 11	SW 8	SW 7	W 10	SW 9	W 8
27.....	SW 2	NW 5	N 3	N 3	S 2	SE 2	W 5	W 11	W 13	W 13	SW 13	SW 15	SW 15
28.....	E 16	E 16	E 18	E 21	E 25	E 26	E 28	E 29	E 32	E 34	E 36	E 35	E 32
29.....	S 26	SE 20	S 11	S 13	W 11	SW 17	SW 22	S 19	S 21	S 23	S 23	S 21	S 23
30.....	SW 6	S 4	S 3	S 2	0	S 4	E 4	E 8	E 7	E 7	E 7	E 8	E 7
31.....	S 3	S 4	SW 3	SW 5	SW 8	S 14	SE 15	E 19	E 24	E 21	E 22	S 17	SE 15
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	E	E	E
Mean velocity.....	12.1	11.7	11.3	11.9	12.7	13.3	13.4	13.7	14.1	14.5	14.8	15.0	15.0

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
<i>Day</i>														Dir. Vel.
1.....	S 9	S 11	SW 8	SW 8	S 4	S 4	S 4	S 3	S 5	S 4	S 6	S	10.6	SW 25
2.....	S 6	S 6	S 4	S 7	S 3	S 7	S 4	S 4	E 4	E 4	S 4	S	5.0	E 15
3.....	SE 8	S 6	SE 6	E 21	E 19	E 19	E 17	SE 6	SE 9	E 17	E 22	E	10.7	E 25
4.....	E 22	E 22	E 21	E 17	NE 20	E 20	E 21	E 20	E 19	E 18	E 18	E	20.0	E 26
5.....	SE 18	SE 24	E 25	E 26	E 24	E 22	E 21	E 23	NE 23	NE 26	E 19	E	20.3	E 34
6.....	SW 7	W 5	NW 6	W 6	S 6	S 6	N 10	N 13	N 10	N 8	NE 7	SW, W	10.5	SW 24
7.....	NE 25	N 25	N 21	NE 20	NE 21	NE 17	E 18	E 21	NE 22	E 24	E 26	NE	18.0	E 32
8.....	NE 37	N 35	N 34	N 34	N 31	N 31	N 30	N 31	N 26	N 22	N 19	N	33.2	E 47
9.....	N 14	N 13	N 10	N 10	N 8	NW 5	NW 6	W 7	NW 7	NW 7	N 9	N	12.2	N 24
10.....	E 14	E 13	E 15	E 16	E 17	E 17	E 17	E 17	E 20	E 17	E 19	E	12.9	E 23
11.....	E 17	E 16	E 17	E 15	E 10	E 6	E 3	E 3	0	E 2	E 4	E	15.8	E 28
12.....	N 11	E 10	E 10	E 3	E 3	S 4	S 4	0	E 3	S 3	S 4	S	3.8	N 15
13.....	E 18	E 18	E 17	E 17	E 17	E 17	E 14	E 12	E 12	E 11	E 12	E	11.3	E 23
14.....	E 11	E 12	E 13	N 13	N 12	N 9	E 11	N 12	E 11	E 11	E 10	E	11.0	N 16
15.....	NW 6	NW 3	NW 5	N 5	N 5	N 5	E 5	E 4	SW 5	0	SW 2	E	6.9	E 15
16.....	NW 12	N 11	N 12	N 13	N 13	N 13	N 12	N 14	N 14	N 13	N 12	N	10.9	NW 18
17.....	E 17	E 17	E 18	E 18	E 18	E 18	E 16	E 15	E 17	E 17	E 17	E	14.7	E 20
18.....	E 7	SE 6	S 8	W 4	W 5	W 5	W 5	W 3	W 5	W 5	W 3	E	8.9	E 18
19.....	E 2	E 6	E 5	E 7	E 9	E 12	E 14	E 15	E 16	SE 13	SE 15	E	6.2	E 17
20.....	SE 26	SE 26	E 25	E 19	SE 11	S 10	S 10	S 13	S 12	S 14	S 15	SE	19.5	E 36
21.....	SW 22	SW 21	SW 21	SW 25	SW 24	SW 20	SW 17	SW 17	SW 18	W 17	W 17	SW	20.9	SW 29
22.....	W 14	W 17	W 19	W 17	W 14	W 15	W 15	W 15	W 12	W 8	W 7	W	16.3	SW 26
23.....	E 5	E 7	E 9	E 12	E 15	E 17	E 16	E 16	E 17	E 16	E 15	E	7.8	E 17
24.....	E 17	E 15	E 15	E 14	E 12	E 14	E 15	E 16	E 15	E 16	E 14	E	18.3	E 19
25.....	SW 7	SW 7	S 6	SW 7	SW 8	SW 6	SW 10	SW 10	SW 7	SW 8	SW 9	SW	7.8	E 15
26.....	SW 7	SW 8	SW 7	SW 3	SW 2	SW 2	NW 3	N 3	W 7	SW 6	W 6	SW	7.2	SW 14
27.....	SW 11	SW 11	SW 6	SW 8	S 3	S 3	NW 3	S 3	E 3	E 9	E 10	SW	7.2	W 17
28.....	E 37	E 42	E 42	SE 42	SE 41	SE 39	SE 38	SE 41	SE 41	SE 38	SE 33	E	32.6	SE 49
29.....	S 20	S 20	S 20	S 19	S 16	S 17	S 19	S 18	SW 16	S 9	S 7	S	18.0	S 27
30.....	E 10	E 8	E 10	E 11	E 12	E 12	E 6	E 6	E 4	E 4	S 4	E	6.4	E 14
31.....	SE 17	SE 17	SE 17	SE 17	SE 15	E 13	SE 14	SE 8	S 6	S 6	S 4	SE	12.7	E 27
Prevailing direction.....	E	E	E	E	E	E	E	E	E	E	E	E	13.4	23.7
Mean velocity.....	14.6	14.8	14.6	14.6	13.5	13.1	12.8	12.5	12.5	12.0	11.9			

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

NOVEMBER 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	SW 6	SW 6	SW 5	SW 6	S 6	S 10	S 9	S 11	S 11	S 13	S 13	S 11	S 11
2.....	S 2	SE 2	SE 2	0	SE 4	E 7	E 8	E 6	E 7	E 7	E 8	E 10	E 9
3.....	E 17	E 17	E 20	E 17	E 18	E 19	E 20	E 22	E 20	E 21	E 21	E 19	E 21
4.....	E 20	E 21	E 21	E 21	E 20	E 19	E 19	E 17	E 17	E 17	E 18	E 17	E 19
5.....	E 8	N 7	N 6	E 8	E 8	E 4	E 6	S 4	S 3	S 4	S 2	S 4	S 3
6.....	SW 7	S 4	SW 5	S 5	S 4	S 4	S 4	S 4	S 5	S 6	S 6	S 5	S 6
7.....	W 4	SW 3	S 9	S 7	S 7	S 4	S 4	S 4	SW 6	W 6	SW 6	SW 6	W 3
8.....	S 5	S 5	S 6	S 6	S 6	S 6	S 5	S 7	S 7	S 7	S 5	S 6	SW 7
9.....	SW 10	W 10	W 9	SW 8	S 8	S 4	0	W 4	SW 2	E 5	E 7	NE 10	NW 10
10.....	W 10	NW 13	W 13	W 13	W 13	W 14	W 14	SW 15	SW 10	S 12	S 13	S 17	S 15
11.....	SW 7	SW 12	SW 13	SW 13	SW 12	SW 11	SW 15	SW 16	SW 15	SW 16	SW 16	SW 17	S 17
12.....	SW 15	S 8	W 4	S 7	W 4	NE 4	N 3	NE 3	E 5	E 7	NE 7	N 5	NW 6
13.....	W 9	W 7	SW 7	S 8	S 5	SE 2	SE 2	SE 4	S 4	S 4	S 4	S 4	SE 8
14.....	NE 19	NE 16	E 15	E 14	E 17	E 20	E 21	E 19	E 16	E 16	E 10	E 7	SW 5
15.....	S 9	SW 8	SW 6	SW 8	SW 6	SW 6	SW 7	S 8	S 8	S 8	S 7	S 8	S 11
16.....	SW 5	SW 8	SW 5	S 6	S 8	S 12	S 11	S 11	SW 17	S 17	S 17	S 12	S 14
17.....	S 2	S 2	S 2	S 3	S 3	S 2	E 5	E 4	E 5	E 8	E 11	E 9	E 11
18.....	E 11	E 10	E 9	SE 9	SE 8	SE 7	SE 7	S 5	S 5	S 6	S 6	SW 8	SW 11
19.....	S 7	S 2	E 5	E 9	E 5	E 7	E 6	E 8	E 6	SE 8	E 9	E 7	E 8
20.....	NE 11	NE 13	NE 14	NE 14	NE 11	NE 13	E 12	E 16	E 18	E 17	E 16	E 16	E 17
21.....	E 21	E 22	E 21	E 20	E 20	E 20	E 19	E 18	E 19	E 19	E 20	E 19	E 18
22.....	S 6	S 3	S 3	SW 4	SW 4	W 2	SW 3	S 8	S 9	S 11	S 17	S 12	S 10
23.....	E 7	E 3	E 2	E 2	S 5	S 7	S 5	SW 7	S 9	S 10	S 10	S 9	S 9
24.....	SW 6	W 7	W 6	W 6	W 7	SW 5	SW 4	SW 4	SW 5	S 8	SW 8	SW 8	W 7
25.....	NW 7	NW 8	NW 9	NW 5	N 4	NW 7	NW 10	NW 17	NW 21	NW 17	NW 16	NW 16	NW 19
26.....	N 27	N 27	N 26	N 26	N 25	N 25	N 22	N 25	N 24	N 25	N 24	N 24	N 24
27.....	N 11	N 12	N 14	N 14	N 13	N 14	N 12	N 11	N 11	N 8	N 9	N 8	N 12
28.....	E 19	E 18	E 18	E 19	E 19	E 18	E 19	E 22	E 21	E 22	E 21	E 20	E 22
29.....	E 28	E 25	E 23	E 23	E 17	E 15	SE 16	SE 16	SE 11	SE 10	SE 10	SE 8	SE 9
30.....	SE 11	SE 12	SE 15	SE 15	E 24	E 25	E 26	E 25	E 26	SE 24	E 22	E 25	SE 22
Prevailing direction.....	E	E	E	E	E, S	E	E	E	E	S	S, E	S, E	S
Mean velocity.....	10.9	10.4	10.4	10.5	10.2	10.4	10.5	11.4	11.3	11.9	12.0	11.6	12.1

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
														Dtr. Vel.
<i>Day</i>														
1.....	S 11	S 9	S 7	S 6	S 5	SW 4	SW 6	S 5	S 6	SW 3	SW 2	S	7.6	S 14
2.....	E 7	E 6	E 10	E 11	E 10	E 11	E 12	E 13	E 12	E 16	E 16	E	8.2	E 17
3.....	E 22	E 21	E 20	E 20	E 20	E 21	E 20	E 20	E 19	E 20	E 20	E	19.8	E 25
4.....	E 17	E 17	E 17	E 16	E 14	E 14	E 14	E 13	E 12	E 12	E 10	E	16.8	E 25
5.....	S 6	S 7	S 7	S 6	SW 7	S 8	S 7	S 11	SW 9	S 8	S 7	S	6.2	S 13
6.....	S 5	S 4	SW 9	SW 10	SW 8	S 5	S 5	SW 5	SW 4	W 3	W 5	S	5.4	SW 11
7.....	W 6	SW 5	SW 6	S 7	S 6	S 5	S 5	S 6	S 5	S 3	S 3	S	5.2	S 11
8.....	SW 6	W 6	SW 5	SW 4	SW 6	W 7	SW 8	S 8	S 9	S 10	SW 9	S	6.5	S 11
9.....	W 2	0	NW 4	NW 5	NW 4	NW 5	W 12	S 8	W 9	W 11	W 7	W	6.2	W 14
10.....	SE 10	SE 5	SE 4	S 5	SW 10	SW 14	SW 15	SW 13	SW 14	SW 12	SW 13	SW	12.0	SW 19
11.....	S 17	SW 14	SW 11	SW 13	W 11	W 12	W 14	W 17	W 17	W 17	W 18	SW	14.2	SW 21
12.....	NW 4	E 5	E 5	NE 5	NE 8	NE 10	NE 10	N 6	N 5	NW 8	W 8	NE	6.3	S 18
13.....	S 8	E 3	N 8	N 8	E 13	E 15	E 15	E 16	E 16	N 13	E 15	S, E	8.2	E 18
14.....	S 6	S 6	S 7	S 7	S 7	SW 5	S 4	S 6	S 9	S 8	S 9	S, E	11.2	E 24
15.....	S 10	SW 10	SW 11	SW 11	SW 13	S 13	SE 7	S 5	S 5	S 4	S 5	S	7.9	S 18
16.....	S 10	S 11	S 9	S 8	S 12	S 11	S 6	S 4	S 4	SW 3	SW 4	S	9.4	SW 19
17.....	E 11	E 14	E 16	E 16	E 17	E 17	E 20	E 17	E 17	E 16	E 13	E	10.0	E 22
18.....	S 10	SW 8	SW 9	SW 9	SW 9	SW 7	W 6	SW 6	SW 5	S 6	S 7	SW	7.7	S 13
19.....	E 9	E 8	E 9	E 6	E 6	E 5	E 5	E 4	E 7	NE 12	NE 11	E	7.0	NE 14
20.....	E 17	E 17	E 17	E 19	E 23	E 24	E 23	E 24	E 22	E 20	E 21	E	17.3	E 27
21.....	E 17	E 15	E 14	SE 9	E 8	E 7	S 4	S 4	S 6	S 7	S 5	E	14.7	E 25
22.....	S 11	S 8	S 6	S 9	SW 9	SW 6	S 6	S 3	SE 4	E 5	E 9	S	7.0	S 19
23.....	S 7	SW 6	SW 6	SW 7	SW 7	SW 5	S 4	S 10	SW 10	SW 8	SW 7	S	6.8	SW 13
24.....	W 7	W 7	W 6	W 5	NW 7	NW 4	N 7	NE 7	NE 9	NE 11	NW 10	W	6.7	N 15
25.....	NW 24	NW 27	N 27	N 25	N 26	N 28	N 29	N 28	N 29	N 27	N 28	NW	18.9	N 34
26.....	N 20	N 21	N 20	N 17	N 14	N 17	N 15	N 13	N 10	N 9	N 9	N	20.5	N 31
27.....	NE 11	NE 9	E 11	E 14	E 16	E 17	E 17	E 19	E 19	E 17	E 17	N	13.2	E 21
28.....	E 23	SE 19	SE 22	SE 23	SE 19	SE 19	SE 19	E 28	E 27	E 28	E 29	E	21.4	E 33
29.....	E 7	SE 13	SE 17	SE 18	SE 14	SE 15	SE 13	SE 15	SE 14	E 17	SE 13	SE	15.2	E 33
30.....	SE 23	SE 17	SE 19	S 16	SE 16	SE 17	SE 19	SE 16	SE 14	SE 17	SE 21	SE	19.5	E 29
Prevailing direction.....	S	E	E	S	E	E	E, S	E, S	E	E	E	E		
Mean velocity.....	11.5	10.6	11.03	11.2	11.5	11.6	11.6	11.7	11.7	11.7	11.7		11.2	20.2

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

DECEMBER 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1	SE 17	SE 17	E 18	E 20	E 16	E 16	E 15	E 12	NE 14	E 10	E 13	E 14	E 17
2	E 9	NE 8	E 10	E 7	E 5	E 9	N 6	E 6	E 6	E 7	E 8	E 9	E 9
3	S 10	S 7	SW 5	SW 4	SW 5	SW 8	W 8	SW 8	SW 8	S 8	S 8	SW 7	SW 8
4	E 5	E 5	E 5	E 5	E 6	E 9	E 8	E 6	E 8	E 7	E 6	E 7	E 9
5	SE 8	SE 9	S 7	S 6	S 3	SW 3	S 4	SW 4	S 4	S 6	SW 4	S 7	S 9
6	N 3	N 2	N 4	NE 4	E 3	E 2	E 5	N 8	N 7	NW 5	W 5	W 4	W 3
7	E 14	E 15	E 14	E 11	E 10	E 6	E 3	S 3	W 5	S 10	S 13	S 15	S 17
8	SW 6	SW 5	S 5	SW 6	W 4	W 4	S 8	S 10	S 8	S 6	S 6	S 7	S 9
9	E 9	E 10	E 10	S 4	SW 6	W 6	SW 4	S 6	S 5	S 6	S 6	S 2	S 2
10	E 9	E 8	E 6	SE 7	S 11	SE 10	E 13	E 16	E 17	E 17	E 16	E 14	E 16
11	N 5	E 2	SE 2	SE 2	0	SE 2	SE 3	W 2	S 3	SW 3	SW 3	SW 3	S 6
12	S 4	S 5	S 2	S 2	S 3	S 2	E 4	S 3	S 2	S 5	S 4	SE 3	SE 5
13	0	SE 3	E 3	E 9	E 7	E 6	E 4	E 5	E 5	E 4	SE 4	SE 4	S 5
14	0	E 2	W 3	W 4	S 9	S 10	S 9	S 11	S 8	S 11	S 13	S 13	S 14
15	S 10	S 9	S 9	S 9	S 6	S 3	W 4	S 5	S 4	S 3	S 3	S 4	S 6
16	SW 3	W 2	W 2	W 2	W 3	W 3	S 2	S 3	E 4	E 5	E 8	E 7	E 6
17	W 2	W 2	W 2	S 3	S 3	E 5	S 4	E 4	E 6	E 5	E 3	E 3	E 2
18	NE 4	NE 6	NE 8	NE 7	NE 10	NE 10	NE 8	NE 6	NE 5	N 6	N 6	N 6	N 7
19	NE 10	NE 12	NE 12	NE 11	NE 9	E 14	E 17	E 18	E 18	NE 15	N 17	NE 17	NE 17
20	NE 12	N 8	N 7	W 14	W 14	W 8	W 5	NW 9	NW 10	NW 11	NW 8	NW 11	NW 10
21	E 8	E 12	E 13	SE 14	SE 12	SE 16	S 18	SE 21	E 22	E 23	SE 21	E 22	E 22
22	E 20	SE 23	SE 23	SE 21	E 20	E 21	E 20	E 19	E 17	E 15	NE 10	NE 8	NE 8
23	S 19	SW 22	SW 21	SW 22	SW 21	SW 21	SW 19	SW 19	SW 19	SW 19	SW 18	SW 17	SW 18
24	0	S 4	S 6	E 7	E 12	E 14	E 15	E 14	SE 10	S 8	SE 6	S 9	S 15
25	W 7	W 4	W 3	S 2	W 5	W 5	W 2	S 3	E 4	E 7	E 7	E 5	E 6
26	E 16	E 17	E 17	E 17	E 17	E 17	E 21	E 20	E 20	E 22	SE 23	E 25	E 27
27	S 6	S 5	SW 4	W 5	SW 4	S 7	S 6	S 8	S 7	S 8	S 8	E 11	E 13
28	E 15	E 17	E 18	E 15	E 14	E 14	E 13	E 14	E 12	E 9	SE 10	E 15	E 18
29	SE 3	SE 3	SE 3	E 5	SE 12	SE 10	E 12	E 13	E 8	S 4	S 7	S 8	S 8
30	E 2	E 3	E 3	E 5	E 13	E 17	E 17	E 17	E 17	E 17	E 15	E 15	E 20
31	SW 9	S 8	S 8	S 5	S 4	S 3	S 2	S 5	S 5	S 7	SE 11	S 9	S 7
Prevailing direction	E	E	E	E	E	E	E	E	E	E	S	E	E
Mean velocity	7.9	8.2	8.2	8.6	9.1	9.0	9.6	9.3	9.3	9.4	9.7	10.9	10.5

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
<i>Day</i>														Dir. Vel.
1	E 17	E 13	NE 17	N 20	N 17	N 16	N 12	N 11	N 7	E 7	E 8	E	14.3	N 23
2	E 11	E 10	E 10	E 6	SE 7	S 5	S 6	S 6	S 7	S 8	S 10	E	7.7	E 13
3	SW 9	SW 9	SW 8	SW 7	S 7	S 6	S 7	S 5	S 5	S 4	E 4	SW	6.9	S 11
4	E 8	E 7	SE 7	SE 8	S 7	S 7	SE 7	SE 7	SE 9	SE 8	E 9	E	7.2	SE 10
5	S 12	S 10	SW 8	SW 10	S 11	S 10	S 7	SW 6	S 7	S 7	S 4	S	6.9	S 14
6	W 3	W 3	E 4	E 4	E 4	E 5	E 7	E 9	E 9	E 9	E 11	E	5.1	E 14
7	S 19	S 15	S 15	SW 13	SW 13	S 16	SW 16	S 14	S 11	S 9	SW 4	S	11.7	S 22
8	S 8	S 8	S 8	S 8	S 3	S 5	E 4	E 6	E 6	E 9	E 11	S	6.5	E 14
9	S 2	S 3	S 4	SE 8	S 4	S 6	SE 4	SE 3	SE 6	S 6	E 10	S	5.4	E 13
10	E 14	E 15	E 15	E 15	E 14	E 14	E 15	E 13	E 8	NE 6	N 5	E	12.2	E 18
11	SW 3	S 9	S 12	S 14	S 13	S 13	S 10	S 9	S 13	S 9	S 6	S	6.1	S 17
12	SE 5	SE 4	SE 3	S 3	S 3	S 3	S 3	S 2	SE 3	S 2	SE 3	S	3.2	S 6
13	SE 5	S 4	SE 7	SE 4	E 3	E 4	E 3	E 4	E 3	E 2	E 2	E	4.2	E 10
14	S 11	S 11	S 12	SW 12	S 12	SW 9	SW 9	SW 4	S 6	S 8	S 9	S	8.8	S 15
15	S 8	S 9	S 7	S 5	SW 5	SW 5	SW 4	W 4	W 4	W 2	W 3	S	5.5	S 11
16	NE 10	N 9	N 8	NE 8	NE 8	NE 8	N 9	N 8	N 8	W 2	W 2	W	5.5	NE 11
17	E 2	E 2	W 2	W 2	W 2	W 2	W 2	W 2	W 3	NE 4	NE 3	W	3.0	E 6
18	N 5	N 6	NE 8	NW 8	N 6	N 7	N 7	N 8	N 6	N 7	NE 7	N	6.8	NE 11
19	NE 16	N 15	N 15	N 15	N 15	N 12	NE 11	E 11	E 12	E 13	NE 9	NE	13.8	E 21
20	N 9	N 10	N 6	N 7	N 11	N 7	N 8	N 3	E 4	E 4	E 6	N	8.4	W 17
21	SE 19	SE 18	SE 17	E 16	E 17	E 18	E 17	E 18	E 19	E 19	E 21	E	17.6	E 26
22	NE 7	NE 6	NE 6	NE 2	NE 3	NE 3	E 4	SE 5	SE 4	SE 6	S 13	NE	11.8	SE 26
23	SW 16	W 15	W 14	W 12	SW 9	SW 7	W 7	W 4	W 3	W 2	SW 3	SW	14.5	SW 26
24	S 17	S 17	SW 17	SW 14	SW 13	S 12	SW 10	SW 9	SW 8	W 6	W 9	S	10.5	S 19
25	SE 5	SE 8	SE 11	S 9	S 9	S 11	E 13	E 9	E 11	E 14	E 12	E	7.2	E 15
26	E 25	E 25	E 24	E 23	E 22	E 21	E 19	E 17	E 16	E 13	E 8	E	19.7	E 30
27	E 12	E 13	E 12	E 12	E 10	SE 7	SE 8	SE 9	SE 9	E 12	E 14	E	8.8	E 16
28	E 16	E 17	E 14	E 13	E 11	S 6	S 3	E 6	E 13	E 13	E 7	E	12.6	E 22
29	S 8	S 6	S 5	S 7	S 11	S 8	S 8	S 10	S 8	S 6	SW 3	S	7.3	E 16
30	E 17	E 15	SE 12	SE 6	S 3	S 5	S 12	S 11	S 7	SW 6	SW 9	E	11.0	E 20
31	S 5	S 4	S 4	S 3	SW 4	S 3	E 2	E 3	E 2	E 6	E 4	S	5.1	SE 14
Prevailing direction	E, S	S	S	E	S	S	E	E	E	E	E	E		
Mean velocity	10.2	10.1	9.3	8.9	8.4	8.3	7.6	7.6	7.4	7.4	8.9		8.9	16.4

TABLE 33.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Little America—Continued

JANUARY 1935

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	E 4	SE 3	S 4	E 5	NE 3	S 5	SE 7	E 10	E 16	E 14	E 18	E 17	E 16
2.....	N 14	N 13	NE 11	N 18	N 21	N 18	N 18	N 19	N 17	N 15	NE 15	NE 15	NE 16
3.....	E 11	E 8	E 10	E 14	E 16	E 14	E 16	SE 14	SE 13	SE 15	SE 14	SE 17	SE 21
4.....	SE 17	SE 17	E 17	E 17	SE 20	SE 20	SE 10	SE 21	SE 19	SE 19	E 19	E 19	E 19
5.....	S 4	S 5	S 3	S 4	S 5	SW 3	SW 6	S 6	S 7	S 14	S 15	S 15	S 16
6.....	S 13	S 13	S 11	S 11	S 11	S 11	S 11	S 14	S 15	S 17	S 16	S 17	S 17
7.....	S 18	S 17	S 16	S 13	S 16	S 17	S 17	S 16	S 15	S 17	S 15	S 15	S 16
8.....	SW 13	S 14	S 13	SW 13	S 12	S 12	SW 10	SW 12	SW 17	SW 17	S 17	S 16	SW 18
9.....	S 14	S 15	SW 16	S 13	S 11	S 12	S 10	S 11	S 12	SW 12	SW 16	SW 16	SW 16
10.....	NE 7	NE 9	NE 8	E 10	NE 8	E 11	E 10	NE 10	NE 11	NE 10	NW 6	NW 6	W 4
11.....	S 7	S 7	S 5	S 4	E 4	N 5	E 8	E 7	E 6	E 7	E 12	E 14	E 14
12.....	E 13	E 16	E 18	E 17	E 13	E 17	E 16	E 14	E 13	E 13	E 13	E 12	E 10
13.....	S 11	S 13	S 14	S 15	S 15	S 12	S 10	SE 11	SE 10	SE 5	SE 3	S 6	S 12
14.....	SE 12	SE 9	SE 11	E 11	E 9	E 10	E 9	E 10	E 9	E 8	E 6	E 6	E 5
15.....	S 7	S 7	S 8	S 8	S 9	S 8	S 8	S 7	S 6	S 5	S 5	S 3	S 3
16.....	W 9	W 7	W 7	W 11	W 11	W 9	W 13	SW 13	SW 11	SW 10	SW 11	SW 10	SW 9
17.....	S 12	S 13	S 15	S 13	S 10	S 9	S 9	S 9	S 8	S 5	SW 6	S 4	SW 4
18.....	S 4	S 3	SE 5	S 4	S 3	S 4	S 3	S 4	S 3	S 5	S 7	S 7	SE 6
19.....	E 13	E 15	E 16	E 13	E 15	E 17	E 17	E 17	E 17	E 17	E 17	E 16	E 13
20.....	S 15	SE 14	E 15	E 15	E 16	E 17	E 17	E 17	E 19	E 17	E 17	E 16	E 15
21.....	S 5	S 4	SW 3	SW 2	SW 3	SW 4	SW 5	SW 5	W 5	W 7	SW 7	W 7	SW 9
22.....	W 7	SW 10	SW 14	SW 12	W 13	W 12	SW 13	SW 11	SW 9	SW 7	W 4	NW 4	NW 4
23.....	N 10	N 10	NE 13	N 13	N 15	NE 14	N 17	N 17	NE 17	N 17	N 20	N 20	N 19
24.....	NW 16	NW 14	NW 13	NW 13	NW 13	NW 14	NW 15	NW 14	NW 16	NW 16	NW 14	NW 13	NW 14
25.....	N 10	N 8	N 9	N 8	E 11	N 11	N 12	N 10	E 12	E 15	E 15	E 17	E 16
26.....	E 24	E 23	E 24	E 26	E 24	E 23	E 22	E 22	E 20	NE 18	N 20	N 19	N 19
27.....	N 18	N 18	N 17	N 17	N 17	N 18	N 17	N 15	N 17	N 17	N 17	N 19	N 19
28.....	E 10	E 12	E 12	E 11	E 11	E 10	E 11	E 11	E 13	E 15	S 13	S 16	E 17
29.....	E 13	NE 16	NE 16	N 16	N 16	NE 14	NE 16	NE 15	N 15	N 15	N 12	NE 15	NE 16
30.....	NE 15	NE 16	NE 12	NE 12	NE 13	NE 11	NE 11	NE 14	NE 13	NE 11	NE 11	NE 11	NE 11
31.....	E 6	NE 6	NE 6	N 6	NE 7	N 8	N 7	N 7	NE 7	NE 8	NE 7	N 9	N 12
Prevailing direction.....	S	S	S	E	S, E	S	E	E	E	E	E	S	E
Mean velocity.....	11.4	11.5	11.7	11.8	12.0	11.9	12.2	12.4	12.5	12.5	12.5	12.6	13.1

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
														Dtr. Vel.
<i>Day</i>														
1.....	E 14	E 13	E 10	E 10	E 10	E 13	E 7	E 11	E 14	E 11	N 14	E	10.4	E 22
2.....	NE 13	NE 12	NE 11	NE 11	NE 11	E 10	E 11	E 8	E 8	E 9	NE 9	NE	13.5	N 24
3.....	SE 23	SE 22	SE 22	SE 22	SE 22	SE 20	SE 22	SE 17	SE 23	SE 20	SE 17	SE	17.1	SE 26
4.....	E 18	E 16	E 12	E 5	W 4	W 4	W 2	S 2	S 8	SE 9	SE 7	SE	13.7	SE 24
5.....	S 15	S 13	S 11	S 6	S 9	S 12	S 10	S 11	S 11	S 14	S 14	S	9.4	S 17
6.....	S 17	S 16	S 17	S 18	S 17	S 18	S 19	S 21	S 17	S 18	S 18	S	15.5	S 25
7.....	S 17	S 16	S 16	S 17	S 18	S 17	S 17	S 13	SW 10	SW 15	S 11	S	15.6	S 21
8.....	SW 20	SW 21	SW 21	SW 19	SW 20	S 18	S 17	S 17	S 18	S 16	S 16	S, SW	16.1	SW 25
9.....	SW 13	S 13	SW 11	S 10	S 10	S 7	S 7	E 6	E 8	NE 11	E 9	S	11.6	SW 18
10.....	W 5	W 3	SW 4	W 6	NW 6	W 5	W 4	W 5	SW 4	SW 5	S 5	W, NE	6.8	NE 12
11.....	E 13	S 12	S 11	S 11	S 9	S 9	S 7	SE 7	SE 2	SE 5	SE 8	S	8.1	E 16
12.....	E 9	SW 8	W 9	W 7	S 9	S 11	S 9	SW 12	S 11	S 14	S 9	E	12.2	E 22
13.....	S 11	S 11	S 9	E 12	SE 12	SE 8	S 9	SE 12	SE 14	SE 14	SE 12	S	10.9	S 17
14.....	E 4	E 5	S 5	S 5	SE 6	SE 4	SE 5	E 4	SE 6	SE 5	SE 5	E	7.0	SE 13
15.....	SW 3	W 4	W 5	W 7	W 8	SW 11	SW 12	W 9	W 9	W 10	W 12	S	7.2	SW 14
16.....	SW 8	SW 9	W 8	SW 7	SW 5	S 7	S 8	S 10	S 10	S 12	SW 12	SW	9.4	W 16
17.....	S 2	SE 4	SE 3	E 5	E 4	E 3	S 5	S 5	S 6	S 6	S 6	S	6.9	S 18
18.....	SE 7	E 6	E 6	E 7	E 6	E 7	E 8	E 9	E 11	E 11	E 12	S	6.2	E 13
19.....	N 5	N 6	N 6	E 12	E 12	E 11	E 11	E 11	S 15	SE 13	E 14	E	13.3	E 20
20.....	E 15	E 15	E 12	E 12	E 12	E 11	E 10	E 8	E 8	E 7	SE 5	E	13.5	E 22
21.....	SW 9	SW 9	SW 9	SW 7	SW 4	W 3	W 4	W 3	0	NW 4	N 3	SW	5.0	SW 10
22.....	NW 4	NW 7	NW 7	N 7	N 6	NW 6	NW 6	N 7	NW 4	N 8	N 9	NW	8.0	S 16
23.....	N 14	N 14	NW 14	NW 12	NW 12	NW 13	NW 14	NW 14	NW 14	NW 16	NW 15	N	14.8	N 23
24.....	N 15	N 13	N 12	N 13	N 13	N 10	N 10	N 9	N 9	N 9	NE 9	NW	12.8	NW 19
25.....	E 17	E 20	E 21	E 21	E 22	E 22	E 20	E 20	E 19	E 21	E 20	E	15.8	E 26
26.....	N 19	N 21	N 22	N 22	N 23	N 24	N 23	N 22	N 23	N 18	N 20	N	21.7	E 29
27.....	N 17	N 19	N 18	N 16	N 15	N 16	N 14	N 15	E 11	N 15	N 17	N	16.6	N 23
28.....	E 15	E 13	E 12	E 12	E 14	E 13	E 13	E 11	E 13	E 12	E 13	E	12.6	E 20
29.....	NE 17	NE 18	NE 17	NE 16	NE 17	E 15	NE 14	NE 17	NE 17	NE 16	NE 15	NE	15.6	NE 21
30.....	NE 8	NE 8	N 7	N 7	N 4	NE 5	NE 5	NE 6	NE 6	E 5	E 6	NE	9.5	NE 19
31.....	N 11	NE 9	NE 8	N 8	N 8	N 9	NW 10	NW 8	NW 5	NW 4	N 6	N	7.6	N 12
Prevailing direction.....	E	E	E, S	E	E	E	S	E	E, S	E	S	E		
Mean velocity.....	12.2	12.1	11.5	11.3	11.2	11.0	10.7	10.6	10.8	11.2	11.2		11.8	19.5

TABLE 34.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base

MARCH 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
26.....	NW 12	NW 12	NW 12	NW 14	NW 14	NW 12	NW 13	N 14	NW 16	NW 20	NW 18	NW 18	NW 17
27.....	SE 5	SE 5	SE 6	E 7	E 6	E 6	S 5	S 5	SE 7	E 7	E 6	E 6	SE (7)
28.....	SE 10	SE 10	SE 10	SE 9	SE 10	SE 8	SE 12	SE 10	SE 9	SE 10	SE 10	SE 10	SE 10
29.....					SE 6	SE 6							
30.....													
31.....													

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevail- ing direction	Mean veloc- ity	Maximum wind	
														Dir.	Vel.
<i>Day</i>															
26.....		NE 19	NE 15	NW 16	W 16	NW 15	NW 17	NW 15	NW 12	NW 10	NW 10				
27.....	NW 17	NW 16	NW 16	NW 15	NW 12	NW 8	NW 5	NW 6				NW	13.7	NW	22
28.....	NE 3	NE 7	NE 6	NE 8	NE 5		SE 4	SE 7	SE 7	SE 7	S 6				
29.....	SE 7	S 6	SE 9	SE 9	SE 6	SE 9	SE 9	SE 9	SE 9	SE 10	SE 10	SE	7.1	SE	12
30.....	SE 11	SE 9	S 9	S 10	S 9	S 10	S 9	S 10	S 9	S 9	S 9	SE	9.7	SE	13
31.....								SE 5	SE 6	SE 6	SE 6				

TABLE 34.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base—Continued

APRIL 1934

(The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time)

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	E 17	E 19	E 21	E 21	E 19	E 25	E 24						
2.....	NE 6	NE 8	E 14	SE 16	SE 18	SE 18	SE 20	SE 24	SE 24	E 24	E 24	E 20	E 26
3.....	NE 20	NE 17	NE 19	NE 26	NE 25	NE 22	NE 25	NE 24	NE 24	NE 24	NE 23	NE 23	NE 23
4.....	E 17	E 14	E 14	E 15	E 12	E 12	E 12	E 11	E 13	E 11	S 13	S 14	SE 13
5.....	SE 8	SE 8	SE 7	SE 5	S 8	SE 8	SE 8	SE 8	S 7	S 7	S 7	S 7	SE 7
6.....	E 11	E 10	SE 12	SE 10	E 12	E 11	E 12	E 12	E 12	E 11	E 15	E 12	E 13
7.....	E 17	SE 17	E 17	E 16	E 16	E 15	E 14	E 15	E 17	E 15	SE 14	SE 14	SE 13
8.....	E 14	SE 14	E 14	E 14	E 16	E 15	E 14	E 14	E 11	E 11	E 11	E 11	NE 9
9.....	E 7	E 7	E 6	E 6	E 6	S 5	S 7	SE 5	SE 5	SE 6	SE 6	SE 6	SE 6
10.....	S 5	S 2	S 2	S 2	S 2	S 3	S 4	SE 5	S 3	S 3	S 9	SE 9	SE 9
11.....	S 8	SE 7	SE 7	SE 7	S 8	S 7	S 6	S 5	S 5	SE 4	SE 4	SE 6	E 7
12.....	E 9	E 9	E 9	E 10	SE 10	SE 10	E 8	SE 10	SE 9	SE 10	SE 9	S 6	S 4
13.....	E 9	E 7	SE 9	SE 5	SE 8	SE 7	SE 6	SE 8	S 6	E 5	SE 4	E 3	E 4
14.....	S 5	S 6	S 7	S 8	SE 8	SE 9	SE 8	S 8	SE 10	S 11	NE 13	S 12	SE 10
15.....	SE 13	SE 14	SE 14	SE 14	SE 13	SE 13	S 12	S 11	S 10	S 10	S 9	S 13	S 9
16.....	S 3	S 2	SW 5	SW 5	SW 7	SW 6	SW 8	SW 5	SW 7	S 4	SW 4	S 5	SW 6
17.....	S 4	S 4	S 0	S 2	S 2	S 4	SW 4	S 2	S 3	S 4	S 2	S 2	S 3
18.....	S 5	S 6	S 5	S 2	S 2	S 3	S 7	S 6	S 5	S 5	S 5	E 6	E 7
19.....	S 8	S 9	S 9	SE 8	SE 8	SE 8	SE 8	SE 7	SE 8	SE 7	SE 9	SE 8	S 9
20.....	S 8	S 8	S 7	S 4	S 6	S 7	S 5	S 7	S 5	S 5	S 6	S 6	S 5
21.....	W 4	W 3	W 3	W 2		NW 2	NW 2	0	0	0	NW 2	N 2	0
22.....	0	0	E 2	E 4	E 3	E 3	E 8	E 8	E 9	E 10	SE 10	SE 15	E 18
23.....	SE 20	SE 22	SE 20	SE 18	SE 19	SE 19	SE 16	S 14	S 14	S 13	S 12	S 15	S 14
24.....	S 5	S 8	SE 4	S 4	0	E 2	NE 3	NE 2	E 5	NE 14	N 15	N 12	N 11
25.....	E 10	E 8	SE 9	SE 12	S 11	S 10	S 9	S 9	S 8	S 8	S 8	S 5	S 5
26.....	S 6	S 5	S 6	S 4	S 4	S 3	S 4	S 4	S 5	S 6	S 7	S 8	S 9
27.....	SE 17	SE 17	SE 18	SE 14	SE 11	SE 10	E 10	E 6	SE 6	SE 5	SE 5	E 3	E 4
28.....	E 7	E 8	E 6	E 7	E 8	E 8	E 9	E 10	E 10	S 11	S 12	S 12	E 13
29.....	S 16	S 13	S 14	S 12	S 10	S 9	S 9	S 10	S 9	S 11	S 11	S 6	S 7
Prevailing direction.....	S	S	E, SE	SE	S	S, SE	S, E	S	S	S	S	S	S
Mean velocity.....	9.6	9.4	9.7	9.4	9.4	9.5	9.7	8.9	8.9	9.2	9.6	9.3	9.4

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum wind
														Dir. Vel.
<i>Day</i>														
1.....		SE 14	SE 14	SE 15	SE 16	SE 15	SE 16	SE 16	SE 15	SE 14	SE 15			
2.....											NE 10			
3.....	N 31	N 33	N 31	N 27	E 21	NE 18	NE 18	NE 17	NE 17	NE 19	NE 20	NE	20.6	N 35
4.....	E 22	E 20	E 19	E 23	E 23	E 19	E 21	E 23	E 20	E 18	E 16	NE	21.6	E 35
5.....	SE 14	SE 15	E 13	S 9	SE 10	SE 14	SE 11	SE 7	SE 7	SE 8	SE 8	E	12.0	S 18
6.....	SE 5	SE 5	SE 7	SE 9	SE 9	SE 9	SE 8	E 6	E 4	E 7	E 8	SE	7.2	SE 10
7.....	SE 14	SE 15	SE 15	SE 16	SE 17	SE 16	SE 17	SE 17	E 17	E 17	E 17	E	13.8	E 20
8.....	SE 14	SE 13	E 13	E 14	E 13	E 11	E 9	E 11	E 13	E 12	E 15	E	14.1	E 18
9.....	E 10	SE 9	SE 6	SE 8	SE 8	SE 8	SE 8	E 8	E 8	E 10	E 7	E	10.8	E 16
10.....	SE 6	S 6	S 6	SE 5	S 5	S 5	S 6	S 6	S 6	S 8	S 4	S	5.9	S 8
11.....	SE 9	S 9	SE 11	SE 10	SE 8	SE 9	SE 7	S 8	S 8	S 9	S 8	S	6.7	SE 11
12.....	SE 6	E 3	SE 8	E 5	E 4	SE 6	SE 12	SE 9	SE 9	E 6	E 8	SE	6.5	SE 14
13.....	S 5	S 5	S 4	S 4	S 6	SE 6	SE 5	S 7	SE 6	SE 6	SE 11	SE	7.4	SE 12
14.....	E 4	S 5	S 2	E 2	S 2	S 3	S 7	S 7	E 2	E 2	S 4	E	5.0	E 9
15.....	S 10	SE 10	SE 11	SE 12	SE 12	SE 11	SE 9	E 11	SE 12	SE 11	SE 9	SE	9.7	SE 14
16.....	S 11	S 9	S 9	S 4	SW 6	S 6	S 4	S 6	S 9	S 6	S 2	S	9.5	SE 24
17.....	S 4	S 4	S 4	S 3	S 3	S 4	S 4	S 5	S 3	S 2	S 3	S	4.4	SW 10
18.....	S 4	S 5	S 5	S 4	S 6	S 6	S 4	S 6	SW 6	SW 6	S 6	S	3.9	S 8
19.....	E 7	E 7	E 5	E 8	E 10	E 9	E 9	E 9	E 11	SE 6	S 7	S	6.3	E 12
20.....	S 10	SE 9	S 9	SE 10	SE 10	S 9	S 9	S 9	S 9	SE 8	S 8	SE	8.6	SE 11
21.....	S 3	S 6	S 5	S 3	0	S 2	SW 2	SW 3	SW 3	0	S 2	S	4.5	S 9
22.....	NW 2	W 2	W 2	W 2	NW 2	NW 2	N 2	W 4	W 2	NE 3	N 2	W	1.9	W 8
23.....	E 21	E 22	E 22	E 23	SE 24	SE 23	SE 23	SE 22	SE 19	SE 21	SE 20	E	13.8	SE 27
24.....	S 13	S 10	S 10	S 10	S 12	S 9	S 7	S 4	S 4	S 7	S 5	S	12.8	SE 26
25.....	N 12	N 9	N 5	E 8	E 10	E 11	E 10	E 10	E 10	E 8	E 7	E	7.7	NE 17
26.....	S 6	S 6	S 6	S 7	S 8	S 6	S 5	S 8	S 6	S 8	S 7	S	7.7	E 10
27.....	SE 10	SE 12	SE 10	SE 14	SE 13	SE 13	SE 15	SE 15	SE 15	S 13	S 15	S	9.0	S 17
28.....	E 4	E 4	E 5	E 7	NE 6	E 7	E 9	E 9	E 10	E 8	E 9	E	8.5	SE 20
29.....	S 10	S 14	S 14	S 15	S 17	S 17	S 16	S 17	S 17	S 17	S 16	S	12.1	S 18
30.....	S 8	S 8	S 5	S 6	S 6	S 5	S 4	S 4	S 6	SW 6	SW 6	S	8.4	S 16
Prevailing direction.....	S	S	S	S	SE	S, SE	SE	S	S, E	E	S	S	9.5	
Mean velocity.....	9.8	10.0	9.5	9.8	9.9	9.6	9.5	9.8	9.5	9.2	9.5			15.7

TABLE 34.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base—Continued

MAY 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time.]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
Day													
1	SW 5	SW 4	SW 5	W 3	NW 3	NW 4	W 6	W 6	W 5	SW 6	SW 7	SW 6	SW 5
2	SE 2	0	0	S 2	0	W 2	NW 2	NW 2	NW 3	NW 3	NW 4	NW 3	N 3
3	SE 4	S 4	S 7	SE 6	S 6	E 6	S 6	E 7	SE 8	S 5	S 4	0	SW 2
4	NW 4	NW 3	NW 2	NW 2	NW 2	NE 2	E 2	E 2	SE 2	E 5	SE 2	SE 2	E 3
5	SW 2	S 2	N 2	NW 2	NW 2	W 3	W 3	W 4	SW 3	0	NW 2	NW 3	NW 4
6	E 2	E 2	E 3	E 2	E 2	E 2	E 4	SE 3	SE 3	SE 2	E 3	E 5	E 4
7	E 7	E 8	E 9	E 9	E 9	E 9	E 10	SE 10	SE 10	SE 10	SE 10	SE 10	SE 10
8	S 17	S 17	S 17	S 17	S 17	S 16	S 16	S 13	S 14	S 13	S 11	S 9	S 14
9	S 13	S 9	SW 10	SW 8	SW 8	SW 8	SW 7	SW 7	SW 8	SW 8	SW 10	SW 8	SW 9
10	NW 4	NW 3	NW 5	NW 6	SW 2	SE 5	N 5	NE 4	NE 5	NE 5	NE 6	NE 4	NE 3
11	SE 11	SE 13	SE 12	SE 5	SE 4	S 11	S 12	S 7	S 9	SE 8	S 9	SE 9	SE 7
12	SE 6	SE 6	SE 6	SE 5	S 6	S 7	S 6	S 7	E 6	SE 6	E 5	S 3	W 5
13	SE 2	SE 5	SE 4	SE 4	SE 9	SE 7	SE 12	SE 11	SE 10	SE 9	SE 8	SE 8	SE 9
14	SE 10	SE 10	SE 11	S 11	S 10	S 9	S 8	S 9	S 9	S 8	S 7	SW 9	SW 9
15	SW 5	W 5	NW 4	NW 5	NW 4	NW 5	NW 4	NE 6	NE 4	NE 3	NE 4	NE 4	NE 4
16	S 2	0	NW 2	NW 3	S 4	NE 4	NE 5	NE 3	NE 4	NE 3	NE 3	NE 4	SE 3
17	SW 2	SW 2	SW 2	S 2	SE 4	SE 2	SE 3	0	E 3	E 3	SE 4	SE 4	SE 5
18	SW 3	SW 4	SW 4	SW 5	SW 4	SW 4	SW 4	SW 3	SW 2	W 3	W 4	SW 3	SW 3
19	SW 6	SW 8	SW 6	SW 7	SW 6	SW 5	SW 6	SW 5	SW 4	SW 3	SW 5	SW 5	W 2
20	S 4	SW 6	S 4	SW 3	0	SW 2	W 2	W 2	0	NW 2	NW 3	NW 3	NW 4
21	N 9	N 8	N 10	N 8	N 9	N 8	NE 9	NE 10	NE 11	NE 13	E 11	E 11	E 10
22	SE 15	SE 17	SE 18	SE 19	SE 19	SE 23	SE 24	SE 23	S 25	SE 22	E 17	NE 13	NE 15
23	N 39	N 34	N 29	N 28	NE 24	E 19	E 21	E 23	E 21	E 19	E 15	E 15	E 9
24	SE 17	SE 17	SE 18	SE 18	SE 18	SE 20	SE 19	SE 20	SE 21	SE 19	SE 19	SE 17	SE 17
25	NE 7	NE 6	NE 2	E 2	E 4	SE 5	SE 6	SE 6	E 3	E 2	N 3	N 5	NW 4
26	SE 2	SE 2	SE 2	SE 4	SE 5	SE 4	SE 4	SE 4	SE 4	SE 4	E 3	NE 3	SE 3
27	E 6	E 8	E 8	E 6	E 6	E 8	E 5	E 5	E 6	S 5	S 8	S 8	S 5
28	S 9	S 7	E 4	0	E 2	NE 4	NE 7	NE 7	NE 6	NE 6	NE 6	NE 4	NE 3
29	SE 4	SE 4	SE 5	SE 5	E 6	E 5	SE 7	SE 7	SE 7	SE 7	SE 4	SE 4	SE 6
30	SE 9	SE 8	SE 8	SE 7	SE 7	SE 8	E 8	SE 10	E 11	SE 12	SE 11	SE 9	SE 8
31	S 12	SE 11	SE 12	SE 13	SE 16	SE 17	E 16	E 13	E 15	E 13	SE 12	SE 12	SE 10
Prevailing direction	SE	SE	SE	SE	SE	SE	SE, E	SE	SE	SE	SE	SE	SE
Mean velocity	7.7	7.5	7.5	7.0	7.0	7.5	7.9	7.7	7.8	7.3	7.1	6.7	6.5

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum Velocity
														Dir. Vel.
Day														
1	SW 4	SW 4	SW 4	SE 7	S 6	SE 6	S 5	SE 5	SE 5	SE 5	SE 3	SW	5.0	SE 8
2	NE 3	NE 4	NE 4	NE 4	NE 2	NE 3	SE 4	SE 3	SE 3	E 4	SE 5	NE, NW	2.9	NE 6
3	0	W 2	SW 3	NW 2	NW 3	NW 3	N 4	N 4	N 5	N 4	N 3	S	4.1	E 8
4	E 3	E 6	E 3	E 6	E 4	E 3	SE 4	S 2	S 2	S 3	S 3	E	3.0	E 5
5	NW 4	NW 3	NW 2	NW 3	NW 3	0	0	0	0	0	0	NW	2.0	NW 4
6	SE 4	E 4	E 4	SE 4	SE 4	E 6	SE 6	SE 7	SE 8	E 7	E 7	E	4.1	E 9
7	SE 10	SE 10	SE 9	S 12	S 12	S 11	S 11	SE 15	S 10	S 18	S 17	SE	11.0	S 19
8	S 15	S 15	S 13	S 14	S 10	S 7	S 8	S 2	S 3	S 14	S 14	S	12.6	SE 17
9	SW 8	W 8	W 7	SW 6	W 7	W 6	W 7	W 6	W 6	W 7	W 3	SW	7.7	S 14
10	E 4	SE 4	SE 4	SE 2	SE 3	SE 3	SE 5	SE 5	SE 4	SE 5	SE 9	SE	4.4	SE 13
11	SE 6	SE 5	SE 7	SW 6	S 8	SE 7	S 6	S 6	S 6	S 7	SE 6	SE, S	7.8	SE 14
12	SW 4	S 5	SW 4	SW 4	SW 3	SW 3	SW 3	NW 3	NW 4	NW 3	SE 2	SW	4.7	S 7
13	SE 8	SE 8	SE 8	SE 9	SE 7	SE 8	SE 9	SE 9	SE 8	SE 9	SE 10	SE	8.0	SE 20
14	SW 8	SW 9	SW 9	SW 10	SW 7	SW 3	W 3	NW 4	NW 5	NW 5	W 6	S, SW	7.9	SW 11
15	E 4	E 4	E 3	NE 3	S 4	SE 3	S 2	E 5	NE 3	NE 3	NW 3	NE	3.9	SW 7
16	E 3	NE 3	NE 3	NE 3	NE 2	0	E 2	E 2	0	S 2	S 2	NE	2.6	SE 8
17	SE 5	E 6	SE 5	SE 5	SE 5	SE 3	SE 3	SE 3	SE 4	S 3	S 4	SE	3.4	SE 6
18	SW 3	SW 3	SW 4	S 3	S 3	S 4	S 6	S 3	SW 4	SW 6	SW 5	SW	3.8	S 6
19	W 3	W 4	W 4	W 3	NW 4	N 4	N 4	N 3	NE 3	NE 3	NE 2	SW	4.4	SW 8
20	NW 4	NW 5	NW 6	N 7	N 8	N 9	N 10	N 10	N 9	N 10	N 9	N	5.1	N 11
21	E 12	E 13	SE 13	E 14	E 14	E 12	SE 14	SE 13	SE 13	SE 14	SE 14	E	11.4	E 16
22	NE 17	NE 23	NE 22	NE 25	NE 26	NE 22	NE 20	NW 26	N 26	N 37	N 43	SE, NE	22.4	N 56
23	E 8	E 8	NE 8	E 8	SE 8	SE 9	SE 12	SE 14	SE 16	SE 17	SE 18	E	17.6	N 47
24	SE 19	SE 15	SE 11	SE 11	E 10	E 8	NE 9	NE 10	NE 11	NE 10	NE 9	SE	15.1	SE 21
25	N 3	N 3	NE 7	NW 11	NW 7	NE 5	NW 3	N 3	0	SE 2	0	NE, N	4.1	NW 13
26	SE 4	SE 4	SE 6	E 6	E 4	E 5	E 4	SE 4	SE 7	SE 7	SE 7	SE	4.3	SE 8
27	SW 6	SW 7	SW 9	S 9	S 8	S 7	S 7	S 7	S 7	S 7	S 7	S	6.9	S 11
28	E 5	E 6	E 5	E 7	E 6	N 3	NE 3	NE 3	SE 4	SE 4	SE 3	NE	4.7	SE 9
29	SE 5	SE 4	SE 4	SE 4	SE 5	SE 3	SE 5	SE 4	SE 6	SE 7	SE 7	SE	5.2	SE 8
30	SE 9	SE 9	SE 11	SE 10	SE 12	SE 12	SE 15	SE 14	SE 14	S 13	S 12	SE	10.3	SE 17
31	SE 9	SE 8	SE 14	SE 14	SE 14	SE 14	SE 8	SE 7	SE 12	SE 11	SE 11	SE	12.3	SE 18
Prevailing direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE		
Mean velocity	6.5	6.8	7.0	7.5	7.1	6.2	6.5	6.5	7.0	8.0	7.9		7.2	13.7

TABLE 34.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base—Continued

JUNE 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1	SE 14	SE 15	SE 13	SE 13	SE 13	SE 13	SE 12	SE 12	SE 12	SE 12	SE 12	SE 14	SE 12
2	SE 13	E 13	E 11	NE 10	NE 17	NE 19	NE 17	NE 18	NE 26	NE 26	NE 21	NE 21	NE 16
3	SE 16	SE 16	SE 14	SE 16	SE 15	SE 14	SE 12	SE 12	SE 12	SE 11	SE 12	SE 11	SE 8
4	SE 14	SE 9	SE 13	SE 7	SE 11	SE 17	E 24	E 19	E 19	E 17	E 15	E 12	E 9
5	SE 12	SE 15	E 17	SE 15	SE 19	SE 16	SE 13	E 10	SE 12	SE 12	SE 10	SE 12	SE 9
6	SE 14	SE 19	SE 15	SE 18	SE 18	SE 19	SE 10	SE 22	SE 18	SE 18	SE 18	SE 20	SE 21
7	SW 17	SW 15	SW 16	SW 13	SW 14	SW 11	SW 9	W 7	NW 7	NW 5	NW 6	NW 7	NW 8
8	SE 4	SE 6	SE 6	SE 8	SE 10	SE 11	SE 11	SE 14	SE 19	SE 19	SE 18	SE 16	SE 13
9	SE 10	SE 13	SE 11	SE 7	S 6	S 8	SE 6	SW 3	SW 4	SW 2	SW 5	SW 3	NW 4
10	NE 5	S 3	NE 4	NE 5	NE 4	SE 4	SE 4	SE 5	SE 5	SE 7	SE 7	SE 6	SE 6
11	SE 9	SE 9	SE 5	SE 5	SE 5	S 6	SE 6	SE 6	SE 6	SE 3	SE 5	E 5	E 2
12	NW 4	NW 6	W 6	W 4	W 2	W 2	SW 3	SW 5	SW 4	SW 4	SW 5	SW 5	S 4
13	S 2	S 2	S 3	S 4	S 4	S 5	SE 5	S 7	SE 6	S 5	S 7	S 6	S 6
14	SW 11	S 12	SW 10	S 14	S 12	S 12	S 12	S 14	S 14	S 14	S 15	SE 16	SE 16
15	E 11	E 12	E 10	E 10	E 9	E 10	E 9	E 13	S 10	S 11	SE 9	S 7	S 5
16	NW 6	NW 5	N 5	NW 7	NW 5	NW 7	NW 6	NE 6	NE 10	NE 15	NE 15	NE 14	NE 16
17	NE 12	NE 13	NE 11	N 13	NE 12	NE 14	NW 11	NE 10	NE 10	NE 6	NE 5	NE 4	NE 5
18	SW 4	SW 5	NE 2	NW 3	NW 5	NW 6	NW 9	NW 7	NW 8	NW 9	NW 10	NW 8	NW 9
19	SE 6	SE 7	SE 8	SE 10	SE 13	SE 14	SE 14	SE 16	SE 15	SE 14	SE 13	S 11	S 9
20	SE 3	SE 4	SE 3	SE 6	SE 6	SE 7	SE 8	SE 9	SE 8	SE 9	S 8	SE 9	SE 11
21	S 10	SE 11	S 12	S 13	SE 12	S 11	S 10	S 9	S 10	S 10	SW 11	SW 12	SW 14
22	W 3	W 3	W 3	W 2	W 3	NW 2	NW 2	N 2	NW 2	0	N 2	NE 2	NE 2
23	NE 4	NE 6	NE 2	NE 4	E 4	NE 7	NE 4	SE 4	E 5	E 6	SE 5	SE 6	SE 7
24	SW 13	SW 9	SW 7	SW 7	SW 8	SE 7	E 7	SE 7	SE 8	SE 11	SE 13	SE 16	SE 14
25	NW 2	SE 3	E 5	E 5	E 3	E 4	E 6	E 7	E 7	E 5	E 6	E 5	E 6
26	SE 9	SE 8	E 10	E 9	E 10	E 6	E 5	SE 10	E 14	E 13	E 10	E 12	E 10
27	0	0	0	0	0	S 2	NE 2	NE 2	0	SW 2	SW 3	S 3	S 3
28	SW 4	SW 4	SW 2	S 2	S 2	SW 3	NW 2	SW 3	NW 2	NW 3	NW 5	NW 5	NW 6
29	SW 6	S 7	S 7	S 9	SE 9	S 10	S 9	E 4	E 8	SW 10	SW 10	SW 8	SW 8
30	NW 8	SW 11	SW 10	W 8	W 9	W 10	W 10	W 8	W 10	SW 11	SW 9	SW 7	W 7
Prevailing direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Mean velocity	8.2	8.7	8.0	8.2	8.7	9.2	9.0	9.0	9.7	9.7	9.7	9.4	8.9

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum velocity	
														Dir.	Vel.
<i>Day</i>															
1	SE 12	SE 12	SE 13	SE 15	SE 15	SE 15	SE 15	SE 16	SE 15	SE 13	SE 13	SE	13.4	SE	27
2	NE 12	SE 9	NE 6	SE 8	S 6	SW 7	SW 9	S 14	S 14	SE 13	S 16	NE	14.3	NE	32
3	SE 10	SE 14	SE 17	SE 16	SE 18	SE 16	SE 14	SE 18	SE 16	SE 16	SE 17	SE	14.2	SE	20
4	E 10	E 11	E 15	SE 15	SE 14	SE 10	SE 10	SE 11	SE 14	SE 14	SE 13	SE	13.5	SE	27
5	SE 8	SE 13	SE 17	SE 16	SE 14	SE 15	SE 14	SE 12	SE 12	SE 12	SE 10	SE	13.1	SE	20
6	SE 18	SE 18	SW 17	SW 16	SW 20	SW 19	SW 17	SW 18	SW 20	SW 17	SW 11	SE	17.9	SE	25
7	N 6	N 8	N 8	NW 4	NW 4	NW 2	N 6	N 7	NE 4	NE 3	NW 7	NW	8.1	SW	22
8	SE 12	SE 10	SE 9	SE 8	SE 7	SE 10	SE 15	SE 13	SE 15	SE 11	SE 8	SE	11.4	SE	20
9	NW 6	NW 6	NW 4	NW 3	N 6	NW 6	NW 5	N 6	NE 7	NE 6	N 7	NW	6.0	SE	14
10	SE 9	SE 18	SE 19	SE 19	SE 18	SE 17	SE 13	SE 12	SE 10	E 11	SE 11	SE	9.2	SE	23
11	SW 2	0	S 5	S 4	S 6	NE 3	SW 4	SW 4	W 5	W 4	W 3	SE	4.7	SE	10
12	S 3	0	S 2	SW 3	SW 3	S 3	S 4	SE 3	S 2	S 2	S 3	SW, S	3.4	W	6
13	S 9	S 12	S 12	S 10	S 8	S 11	S 12	SW 11	SW 12	SW 13	SW 12	S	7.7	S	13
14	SE 13	SE 13	SE 10	SE 7	E 8	E 9	E 8	E 12	E 10	E 11	E 11	S	11.8	SE	19
15	SE 7	S 6	S 7	S 5	S 8	SW 8	SW 2	NW 4	NW 4	NW 7	NW 6	E, S	7.9	E	15
16	N 16	N 24	NE 24	NE 24	N 23	N 21	NE 18	NE 12	NE 11	NE 13	NE 14	NE	13.2	N	28
17	NE 9	NE 8	NE 7	SE 7	S 5	S 4	S 8	S 9	SE 7	SE 5	SE 6	NE	8.4	N	15
18	NW 6	NW 6	NW 3	NW 3	SW 3	S 3	SE 4	SE 3	S 3	SE 4	SE 4	NW	5.3	N	11
19	S 12	SE 14	SE 14	SE 13	SE 11	SE 8	SE 2	0	0	E 2	E 2	SE	9.5	NW	17
20	SE 11	SE 13	SE 12	SE 11	SE 10	SE 9	SE 10	SE 11	SE 8	S 5	SW 6	SE	8.2	SE	16
21	S 9	S 5	S 5	S 4	SW 5	SW 5	SW 4	SW 4	SW 4	SW 4	SW 3	S	8.2	S	16
22	0	0	0	NE 2	0	NE 2	0	NE 2	NE 3	NE 7	NE 5	NE	2.0	NE	8
23	SE 7	SE 7	SE 8	S 8	SW 7	SW 10	SW 15	SW 16	SW 13	SW 17	SW 15	SE, SW	7.8	SW	18
24	SE 11	SE 13	SE 11	SE 8	SE 5	SE 4	SE 5	SE 5	E 4	NE 5	NE 4	SE	8.4	SE	17
25	E 7	E 8	E 10	E 10	SE 11	E 11	E 11	E 9	SE 12	E 6	SE 7	E	6.9	E	15
26	SE 11	E 7	S 7	S 8	S 8	SW 6	SW 6	S 7	S 6	S 6	S 5	E	8.5	E	17
27	S 2	W 2	W 3	W 5	S 4	W 5	W 4	W 5	W 4	W 5	W 5	W	2.7	W	5
28	NW 7	NW 6	NW 9	NW 8	NW 11	NW 9	NW 7	NW 9	NW 8	NW 5	SW 5	NW	5.3	NW	13
29	W 6	W 5	W 2	W 6	NW 7	NW 6	NW 7	NW 9	W 8	W 8	W 10	W	7.5	SW	13
30	W 7	W 8	W 9	SW 9	SW 8	S 10	SW 7	SW 5	W 5	SW 3	SW 3	SW, W	8.0	S	13
Prevailing direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE			
Mean velocity	8.6	9.2	9.5	9.2	9.1	8.8	8.6	8.9	8.5	8.3	8.1		8.9		17.2

TABLE 34.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base—Continued

JULY 1934

[The direction given is that from which the wind blows. Velocities are in miles per hour. 180th meridian time]

Hour.....	0-1		1-2		2-3		3-4		4-5		5-6		6-7		7-8		8-9		9-10		10-11		11-12		12-13		
Day	SW	2	S	2	NE	2	N	2	0	NE	2	NE	2	NE	2	NE	3	NE	2	NE	2	N	2	SE	2		
1.....	SE	6	SE	7	SE	7	SE	6	SE	7	SE	4	S	4	SE	5	SW	4	SW	5	SW	5	S	4	S	3	
2.....	SW	4	SW	3	SW	2	SW	3	SW	3	SW	3	SW	4	SW	2	SW	3	NW	3	NW	2	0	NE	2		
3.....	S	8	SE	8	SE	8	SE	11	SE	9	SE	10	SE	11	SE	9	SE	7	SE	10	SE	8	SE	4			
4.....	NW	3	NW	3	S	2	NW	2	S	3	S	3	S	4	S	2	S	4	SE	4	SE	5	SE	3	SE	3	
5.....	W	4	W	6	SW	4	SW	4	SW	3	NW	5	SW	4	SW	4	SW	5	SW	3	SW	5	W	3	W	2	
6.....	NW	4	NW	3	NW	5	NW	4	NW	4	NW	3	NW	4	NW	2	NW	3	NW	4	NW	4	NW	5	NW	3	
7.....	0	SE	2	SE	2	SE	2	SE	4	SE	4	SE	4	SE	4	SW	2	SW	3	S	3	S	3	S	4	S	6
8.....	SE	8	SE	9	SE	10	SE	12	SE	11	SE	12	SE	10	SE	10	SE	13	SE	10	SE	12	SE	12	SE	12	
9.....	SW	9	S	6	S	6	SW	5	SW	4	SW	4	SW	7	SW	7	SW	7	SW	6	SW	5	SW	3	SW	8	
10.....	NW	7	NW	7	NW	6	NW	7	NW	7	NW	8	NW	8	NW	7	NW	8	NW	7	NW	8	NW	7	NW	6	
11.....	W	5	W	3	SW	5	SW	5	SW	3	SW	5	SW	5	SW	4	SW	4	SW	3	SW	5	W	3	SW	6	
12.....	N	3	N	4	N	4	N	3	N	3	W	4	NW	4	W	4	NW	3	NW	3	NW	3	NW	2	NW	4	
13.....	S	2	S	2	S	3	S	4	S	4	S	5	SE	6	SE	7	SE	8	SE	10	SE	9	SE	9	SE	9	
14.....	SE	11	SE	11	S	11	S	9	S	8	S	8	S	8	S	8	S	6	S	8	S	7	SE	8	S	8	
15.....	SE	10	S	11	S	10	S	11	S	10	S	11	S	12	S	13	S	14	S	12	S	11	S	11	SW	13	
16.....	N	5	N	6	NW	6	NW	8	NW	10	NW	8	NW	12	NW	10	NW	12	NW	11	NW	11	NW	9	NW	9	
17.....	S	17	S	9	S	10	S	17	S	12	S	10	S	12	SW	13	SW	13	SW	12	SW	12	SW	12	W	13	
18.....	NW	17	NW	13	NW	14	N	14	N	14	N	16	NW	8	NW	11	NW	12	N	13	N	13	N	14	N	15	
19.....	N	11	N	11	N	10	N	17	NW	16	N	15	N	17	NW	19	NW	17	NW	16	NW	16	NW	14	NW	14	
20.....	NW	3	NW	5	NW	4	NW	5	NW	6	NW	7	NW	7	NW	6	NW	6	NW	6	NW	7	NW	8	NW	6	
21.....	N	2	SE	3	S	4	S	3	S	6	S	7	S	9	S	13	S	14	S	15	S	15	S	14	SE	14	
22.....	SW	6	SW	6	SW	4	SW	4	SW	6	SW	3	W	4	NW	4	NW	4	NW	5	NW	5	NW	4	NW	5	
23.....	SE	6	E	6	S	6	SE	9	SE	9	SE	10	SE	10	SE	10	SE	12	SE	12	SE	14	SE	15	SE	19	
24.....	SE	25	SE	22	SE	24	SE	26	SE	24	SE	23	SE	20	SE	18	SE	18	SE	18	SE	18	SE	18	SE	18	
25.....	SE	13	SE	14	SE	15	SE	16	SE	16	SE	15	SE	17	S	17	SE	17	S	17	SE	17	SE	16	SE	16	
26.....	SE	18	SE	18	SE	18	SE	17	SE	18	SE	18	SE	17	SE	17	SE	15	SE	15	SE	14	SE	15	SE	17	
27.....	S	17	S	13	S	12	S	12	S	15	S	13	S	12	S	13	S	11	S	9	S	9	S	9	S	10	
28.....	S	5	SW	5	S	5	S	5	S	9	S	6	S	7	S	6	S	4	S	4	S	3	S	6	S	9	
29.....	SW	5	SW	5	SW	6	SW	7	SW	5	SW	4	SW	5	SW	3	SW	4	SW	4	SW	4	SW	4	SW	3	
30.....	NW	3	N	4	NW	4	NW	3	NW	2	N	2	N	3	NW	2	E	2	NE	3	NE	2	NE	2	NE	3	
Prevailing direction.....	SE		SE		S		SE		SE, S		SE, S		SE, S		NW		NW		NW		SE, NW		SE		SE		
Mean velocity.....	7.7		7.3		7.4		8.2		8.1		8.0		8.3		8.1		8.3		8.1		8.2		7.9		8.4		

Hour.....	13-14		14-15		15-16		16-17		17-18		18-19		19-20		20-21		21-22		22-23		23-24		Prevailing direction	Mean velocity	Maximum velocity		
																									Dir.	Vel.	
Day	SE	2	SE	2	SE	4	SE		SE		SE		SE		SE		SE		SE	4	SE	6	SE		2.4	SE	7
1.....	SE	3	SW	3	SW	3	SW	4	SW	3	SW	4	SW	4	SW	2	SW	2	SW	2	SW	3	SW		4.2	SE	8
2.....	SW	3	SE	3	SE	2	SE	4	S	3	SE	4	SE	4	S	5	SE	7	SE	6	S	7	SW		3.4	S	8
3.....	S	6	S	6	S	4	S	4	S	3	S	7	S	7	S	5	S	3	S	2	S	2	S, SE		6.8	SE	12
4.....	SE	2	SE	3	SE	3	E	2	SW	2	SW	4	SW	5	SW	5	SW	4	SW	5	SW	5	SE, SW		3.4	S	6
5.....	W	2	SW	2	SW	3	SW	2	SW	2	SW	2	SW	3	SW	2	SW	3	W	4	W	3	SW		3.3	SW	5
6.....	NW	2	NW	3	NW	2	NW	2	NW	2	N	2	NW	2	W	2	SW	4	SW	3	E	2	NW		3.1	NW	5
7.....	SE	3	SE	3	SE	4	SE	4	SE	4	SE	6	SE	3	SE	5	SE	6	SE	6	SE	6	SE		3.8	SE	9
8.....	SE	11	S	10	S	9	S	9	S	11	S	12	S	9	S	8	SW	10	S	8	S	8	SE		10.2	SE	23
9.....	SW	6	W	4	W	4	NW	3	NW	4	NW	5	NW	6	NW	6	NW	6	NW	8	NW	6	SW		5.5	SW	11
10.....	NW	6	NW	5	NW	5	W	6	SW	5	NW	4	NW	4	W	4	W	3	W	5	W	2	NW		5.9	NW	9
11.....	SW	6	SW	7	SW	6	SW	5	SW	6	SW	4	SW	5	SW	5	SW	5	SW	3	N	4	SW		4.7	SW	7
12.....	NW	8	NW	2	NW	3	NW	2	NW	3	NW	2	NW	2	NW	2	0	0	SE	2	NW				2.7	W	5
13.....	SE	10	SE	8	SE	9	SE	11	SE	11	SE	12	SE	11	SE	12	SE	10	SE	13	SE	12	SE		8.2	SE	14
14.....	SE	8	SE	10	SE	9	SE	10	SE	9	SE	10	SE	12	SE	10	SE	10	SE	11	SE	10	SE		9.2	SE	15
15.....	SW	11	SW	10	SW	9	SW	9	SW	7	SW	8	SW	8	SW	6	NW	6	NW	8	NW	6	SW		9.8	S	14
16.....	N	10	NW	8	SW	5	E	5	E	6	SE	5	SE	9	SE	8	SE	13	S	12	SE	13	NW		8.8	SE	17
17.....	W	13	W	14	NW	14	NW	14	NW	16	NW	16	NW	17	NW	17	NW	17	NW	17	NW	17	NW		13.9	NW	18
18.....	N	17	N	17	N	19	N	19	N	17	N	17	N	16	N	11	N	8	N	5	NW	8	N		13.7	N	22
19.....	NW	13	NW	13	NW	12	NW	9	NW	7	NW	6	W	5	W	6	W	5	NW	3	NW	6	NW		11.6	NW	22
20.....	N	7	N	8	NW	7	NW	5	N	3	NW	6	W	4	N	3	NW	3	0	E	2	NW		5.2	NW	9	
21.....	SE	16	SE	16	SE	16	SE	16	SE	14	SE	14	SE	16	SE	14	S	13	S	9	S	8	S		11.3	SE	18
22.....	NW	6	NW	4	NW	4	NW	4	NW	5	NW	4	0	NW	2	SE	3	SE	5	SE	4	NW		4.2	SW	8	
23.....	SE	23	SE	24	SE	25	SE	25	SE	26	SE	25	SE	24	SE	26	SE	26	SE	25	SE	26	SE		17.2	SE	27
24.....	S	17	SE	16	SE	17	SE	16	SE	16	SE	16	S	17	SE	17	SE	17	SE	16	S	14	SE		18.8	SE	28
25.....	SE	16	SE	16	SE	15	SE	16	SE	15	SE	18	SE	17	SE	17	SE	17	SE	17	SE	17	SE		16.1	SE	19
26.....	SE	15	SE	16	S	17	S	17	SE	17	S	17	S	16	S	16	S	17	S	17	S	17	SE		16.6	SE	21
27.....	S	9	S	8	S	9	S	7	S	7	S	6	S	7	S	6	S	4	S	7	S	5	S		9.6	S	18
28.....	S	8	S	10	S	9	S	10	S	8	S	8	S	5	S	6	S	6	S	6	S	5	S		6.5	S	11
29.....	SW	4	SW	4	SW	4	SW	4	SW	4	SW	4	SW	3	W	3	NW	2	NW	3	NW	3	SW		4.0	SW	7
30.....	E	2	E	3	E	2	SE	4	SE	4	SE	4	S	4	SE	6	SE	8	S	8	S	6	NW, SE		3.6	SE	9
Prevailing direction.....	SE		SE		SE		SE		SE		SE		SE		SE		SE		SE, S		SE						
Mean velocity.....	8.4		8.3		8.2		8.0		7.7		8.1		7.9		7.6		7.7		7.7		7.7		7.5		8.0		13.3

TABLE 34.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base—Continued

AUGUST 1934

[The direction given is that from which the wind blows. Velocities are given in miles per hour. 180th meridian time. Directions in parentheses obtained by interpolation]

Hour.....	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1.....	S 9	S 8	S 4	S 4	SW 5	SW 6	SW 9	SW 8	SW 6	SW 4	NW 5	W 7	SW 5
2.....	NE 8	NW 7	NW 7	N 6	NE 5	NE 5	SE 6	SE 7	SE 8	SE 9	SE 5	SE 6	SE 9
3.....	NE 12	E 11	SE 6	SE 7	SE 8	SE 9	SE 8	SE 9	SE 7	S 7	S 7	S 9	SE 11
4.....	E 3	S 4	SW 6	SW 4	SW 5	SW 2	SW 4	SW 4	SW 6	SW 6	SW 6	W 6	SW 3
5.....	NE 5	NE 8	NE 9	E 9	NE 12	NE 12	NE 10	NE 9	SE 6	SE 6	SE 7	SE 8	E 6
6.....	S 6	S 5	S 6	S 10	S 9	S 6	S 7	S 5	SW 6	SW 5	SW 6	SW 5	SW 6
7.....	E 5	E 7	E 5	E 6	E 7	S 6	S 6	S 2	S 5	S 6	S 5	S 5	S 6
8.....	(NW) 6	(NW) 6	(N) 6	(N) 6	(N) 7	N 8	NE 7	NE 8	NE 8	NE 6	NE 7	NE 7	NE 6
9.....	E 2	E 3	E 4	E 4	E 5	E 5	E 6	E 6	SE 6	SE 7	SE 7	SE 6	E 7
10.....	SE 7	SE 6	SE 6	SE 6	SE 7	SE 6	S 6	SE 7	SE 7	SE 7	SE 5	SE 5	SE 6
11.....	S 8	(S) 8	(S) 7	(S) 6	(SW) 7	(SW) 6	(SW) 7	SW 7	SW 7	SW 8	SW 11	SW 10	SW 10
12.....	S 6	E 2	W 4	(SW) 2	S 3	S 3	S 3	S 2	S 3	S 2	S 2	S 2	S 2
13.....	SW 6	SW 6	SW 8	SW 6	SW 6	SW 6	SW 4	SW 4	SW 5	SW 4	SW 5	SW 4	NW 4
14.....	NW 5	NW 5	NW 5	NW 6	NW 6	NW 6	NW 7	NW 9	NW 9	NW 12	NW 12	NW 11	NW 10
15.....	W 4	NW 4	W 3	NW 4	NW 4	W 3	W 3	W 2	W 3	NW 2	SE 2	SW 2	S 2
16.....	SE 9	SE 11	SE 12	SE 13	SE 13	SE 16	SE 17	SE 18	SE 20	SE 19	SE 17	SE 17	SE 17
17.....	S 12	S 10	SE 10	SE 7	S 5	S 9	SW 6	W 7	W 9	NW 10	NW 9	NW 11	NW 14
18.....	NW 8	NW 7	NW 7	NW 8	NW 11	NW 11	NW 10	NW 10	NW 10	NW 8	NW 10	NW 10	NW 10
19.....	N 9	N 7	N 6	N 7	NE 7	NE 7	NE 8	NE 8	NE 9	NE 10	NE 11	NE 8	E 10
20.....	S 7	S 8	S 7	S 7	S 7	S 7	SW 6	SW 6	SW 7	SW 5	SW 5	SW 5	NW 5
21.....	NW 5	NW 6	NW 4	NW 4	NW 5	NW 4	NE 4	NE 4	NE 2	NE 5	NE 3	NE 5	NE 7
22.....	NE 10	NE 8	N 6	N 5	N 3	E 6	E 8	E 8	E 7	E 6	E 5	E 5	E 6
23.....	SE 2	SE 2	SE 2	SW 2	SW 3	0	S 2	S 4	E 3	W 2	W 5	W 5	SW 5
24.....	NW 3	NW 2	W 2	NW 2	NW 2	N 2	NE 3	NE 2	NE 2	0	NE 2	E 2	S 3
25.....	SE 7	SE 7	S 6	SE 8	SE 10	SE 11	S 11	S 10	S 9	S 8	SW 8	SW 6	SW 8
26.....	(SE) 6	(SE) 6	(SE) 7	(S) 8	(S) 8	(S) 8	(S) 9	(S) 10	(S) 9	(S) 8	(S) 8	(SW) 6	SW 5
27.....	SE 6	SE 6	SE 7	SE 8	SE 8	SE 8	SE 9	SE 5	S 4	SW 7	S 3	S 3	N 5
28.....	N 14	NE 18	N 31	N 31	NW 29	NW 29	NW 26	NE 16	NE 10	NE 7	NE 6	NE 6	NE 7
29.....	N 6	N 4	N 5	N 4	NE 3	NE 5	N 4	N 6	N 6	N 4	N 6	N 6	N 5
30.....	NE 5	NE 6	NE 5	NE 3	N 4	N 4	N 3	N 3	NE 3	N 3	S 3	E 3	N 4
31.....	SE 3	SE 3	SE 4	S 7	S 6	S 5	S 5	S 5	SW 7	SW 7	S 5	S 6	S 6
Prevailing direction.....	SE	NW, SE	SE	S	NW, S	S	S	NE, SE, SW, S	SW	SW	S	SW	SW
Mean velocity.....	6.6	6.5	6.6	6.7	7.2	7.0	7.2	6.7	6.7	6.4	6.5	6.4	6.8

Hour.....	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum velocity
<i>Day</i>														
1.....	NW 5	NW 8	NW 9	NW 10	NW 9	NW 9	NW 13	NW 14	N 10	NE 13	NE 9	NW	7.9	NW 15
2.....	SE 7	SE 8	SE 6	SE 4	SE 4	E 5	NE 5	E 6	E 10	SE 13	NE 9	SE	6.9	NE 14
3.....	SE 6	NE 6	NW 6	W 4	S 6	SE 6	E 3	E 3	NE 5	NE 4	SW 4	SE	6.8	NE 16
4.....	NW 4	NW 4	NW 6	SE 4	NE 4	SE 5	SE 4	E 6	NE 3	NE 5	NE 6	SW	4.6	NE 8
5.....	E 13	SE 12	SE 10	SE 9	SE 8	SE 10	SE 7	SE 8	S 7	S 4	S 10	SE	8.5	NE 14
6.....	SW 4	SW 4	SW 4	SW 3	SW 4	W 3	W 5	W 3	W 3	SE 4	SE 4	SW	5.1	S 11
7.....	SW 6	W 5	N 6	NW 3	0	NW 2	NW 3	NW 4	NW 5	NW 3	(NW) 5	S	4.7	E 9
8.....	NE 7	NW 7	NE 6	N 6	N 6	N 7	N 7	N 7	N 6	N 5	N 3	N	6.4	NE 9
9.....	E 10	SE 8	E 7	SE 6	SE 6	E 6	S 6	SE 5	SE 6	SE 5	SE 6	E	5.8	NE 11
10.....	SE 7	S 7	SE 7	SE 6	E 6	SE 6	SE 8	S 5	S 5	S 5	S 6	SE	6.2	SE 8
11.....	SW 11	SW 12	SW 10	SW 10	S 8	S 7	S 7	S 6	SE 6	SE 5	SE 5	SW	7.9	SW 12
12.....	S 2	S 2	S 3	S 4	S 4	S 3	S 3	S 3	SW 4	SW 5	SW 4	S	3.0	SW 5
13.....	SW 5	SW 6	W 5	W 6	W 6	W 7	W 5	SW 6	SW 6	W 5	W 4	SW	5.4	SW 7
14.....	NW 13	NW 11	NW 11	NW 7	NW 6	NW 8	NW 6	W 5	W 5	NW 5	W 5	NW	7.7	NW 14
15.....	SE 3	SE 3	SE 4	SE 5	SE 5	SE 6	SE 6	SE 7	SE 8	SE 9	SE 10	SE	4.3	SE 11
16.....	SE 22	S 19	S 20	SE 20	S 19	SE 17	SE 18	S 15	S 16	S 16	S 12	SE	16.4	S 23
17.....	NW 14	NW 15	NW 15	NW 14	NW 11	NW 8	NW 9	NW 10	NW 8	NW 10	NW 7	NW	10.1	NW 17
18.....	NW 10	NW 7	NW 10	NW 8	NW 8	NE 7	NE 8	NE 9	NE 10	N 12	N 11	NW	9.2	N 13
19.....	E 11	E 12	E 12	E 10	E 11	E 10	SE 10	SE 8	S 8	SE 9	S 11	NE	9.1	E 13
20.....	NW 6	NW 7	NW 7	NW 6	NW 7	NW 5	NW 4	NW 6	NW 4	NW 3	NW 4	NW	5.9	S 9
21.....	N 6	N 8	E 7	E 9	E 9	NE 9	NE 8	NE 8	NE 7	NE 8	NE 9	NE	6.1	NE 11
22.....	E 4	E 5	E 4	E 4	E 3	E 3	E 2	S 3	SW 3	SW 3	(S) 2	E	5.1	NE 11
23.....	0	SE 2	NW 4	NW 4	NW 3	NW 3	NW 4	NW 4	NW 3	NW 2	NW 3	NW	2.9	W 5
24.....	SE 4	SE 4	SE 4	SE 4	SE 6	SE 5	SE 4	SE 7	SE 6	SE 7	SE 6	SE	3.5	SE 8
25.....	SW 7	S 3	E 5	E 5	SE 6	SE 8	SE 12	(SE) 4	(SE) 4	(SE) 4	(SE) 4	SE	7.8	SE 15
26.....	SW 4	SW 6	SW 4	SW 5	W 6	W 5	SW 6	SW 4	SW 5	S 5	S 6	S		
27.....	N 6	N 9	N 12	NW 10	NE 6	NE 9	NE 7	E 8	NE 10	NE 11	NE 7	SE	7.3	N 14
28.....	NE 7	NE 6	NE 6	NE 6	NE 4	NE 3	W 3	N 4	N 4	NW 7	N 7	NE	12.0	N 38
29.....	N 4	N 4	N 3	SE 4	SE 3	E 2	NE 4	NE 3	NE 4	NE 3	NE 3	N	4.2	N 7
30.....	NE 4	NE 2	NE 3	N 3	NE 3	NE 2	NE 2	SE 4	SE 4	E 4	E 3	NE	3.5	NE 6
31.....	S 5	S 4	N 4	N 5	N 5	N 4	N 4	N 6				S	5.0	SW 9
Prevailing direction.....	SW, NW	NW	NW	SE	SE	SE	SE	SE	NE	SE	SE, NE, S	SE		
Mean velocity.....	7.0	6.8	7.2	6.6	6.2	6.1	6.2	6.3	6.2	6.6	6.2			6.6 11.6

TABLE 34.—Wind—hourly values, prevailing direction, and mean velocity for each hour, Bolling Advance Base—Continued

SEPTEMBER 1934

[The direction given is that from which the wind blows. Velocities are given in miles per hour. 180th meridian time. Directions in parentheses obtained by interpolation]

Hour	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13
<i>Day</i>													
1													W 4
2	W 2	SW 2	NW 2	N 2	NW 3	NE 4	NE 5	NE 8	NE 9	NE 7	E 7	E 11	E 11
3	S 15	S 14	S 13	S 10	S 9	S 10	SE 8	SE 5	S 6	SE 7	SE 6	S 6	S 7
4	SW 5	S 5	W 4	W 4	W 5	NW 5	NW 5	NW 5	NW 4	N 4	N 7	NW 10	NW 13
5	N 20	N 21	N 20	N 19	NE 14	NE 12	NE 10	NE 12	NE 12	NE 7	NE 4	SE 6	SE 4
6	W 6	NW 4	NW 4	NW 6	NW 5	NW 6	NW 11	NW 9	NW 4	NW 8	NW 7	NW 8	NW 9
7	0	SW 2	W 2	W 3	SW 2	SW 3	SW 5	SW 4	SW 5	SW 5	SW 4	SW 4	W 5
8	NW 4	NW 3	NW 5	N 3	N 4	N 6	NW 6	NW 6	NW 7	NW 7	NW 9	NW 7	NW 7
9	NE 3	NE 3	N 3	SE 5	SE 3	SE 5	SE 6	SE 7	SE 8	SE 9	SE 10	SE 10	SE 10
10	S 14	S 13	SW 10	SW 8	SW 9	SW 10	SW 7	W 6	W 6	W 6	W 6	W 6	NW 5
11	NE 4	N 5	NE 4	NE 5	E 4	E 5	SE 6	E 6	SE 8	SE 9	SE 10	SE 8	SE 7
12	S 4	S 6	S 6	S 7	S 4	S 4	S 5	SW 2	SW 3	S 4	S 3	0	SW 2
13	NE 2	SE 2	S 3	S 4	S 4	SE 4	SE 4	SE 5	SE 4	S 3	S 3	4	SE 4
14	S 3	S 4	S 5	S 5	S 5	S 4	S 5	S 4	S 4	S 2	S 4	S 2	N 3
15	E 5	E 3	SE 3	NE 2	SE 2	NE 2	SE 4	SE 4	E 3	E 3	E 3	SE 3	E 3
16	E 9	E 8	E 8	E 8	SE 9	SE 9	SE 10	SE 10	SE 9	SE 7	E 7	S 7	S 5
17	SW 4	S 4	SW 4	S 4	W 3	W 3	NW 3	0	NW 2	NW 6	NW 7	NW 5	NW 9
18	NW 17	N 14	N 13	N 13	N 12	N 10	NE 8	NE 8	NE 6	NE 6	NE 6	NE 6	NE 6
19	E 5	NE 4	E 3	NE 4	NE 7	NE 6	NE 7	NE 6	NE 5	NE 6	NE 6	NE 5	NE 7
20	E 14	N 23	N 22	N 23	N 24	N 22	(NE) 19	E 18	E 18	E 17	E 17	E 17	E 16
21	E 21	E 18	E 17	SE 18	SE 18	SE 18	SE 16	SE 17	SE 17	SE 17	E 17	E 16	E 15
22	SE 6	SE 7	SE 4	SE 3	SW 6	SW 5	S 6	S 5	SW 5	SW 5	SW 4	SW 4	SW 5
23	NW 17	NW 17	NW 17	NW 16	NW 15	NW 14	NW 13	NW 11	NW 8	N 6	N 6	N 6	N 7
24	W 3	W 6	W 7	S 8	S 7	S 7	S 7	SW 7	SW 6	SW 6	SW 5	SW 5	W 6
25	N 5	NE 5	N 5	N 5	N 5	N 2	N 2	S 3	S 5	S 5	SW 6	SW 6	SW 7
26	W 6	W 8	W 7	W 6	NW 6	W 8	W 5	NW 5	W 6	SW 4	SW 4	SW 3	SW 3
27	W 8	W 9	W 9	W 9	W 8	W 6	W 8	W 8	NW 8	W 6	W 8	W 9	NW 13
28	NW 24	N 23	N 19	N 19	N 19	N 17	NW 16	NW 17	N 17	NW 17	NW 17	NW 13	W 13
29	NW 14	NW 13	NW 14	NW 15	NW 13	NW 11	NW 10	NW 11	NW 8	NW 9	NW 7	NW 7	NW 11
30	N 7	N 8	N 10	N 8	N 7	N 8	N 9	N 13	N 12	N 12	N 16	N 22	NW 28
Prevailing direction	E, NW, W	N, S	N	N	N	N	SE, NW	NW	NW	SE, NW	E, SW, NW	NW	NW
Mean velocity	8.5	8.8	8.4	8.3	8.0	7.8	7.8	7.7	7.4	7.2	7.4	7.4	8.1

Hour	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	Prevailing direction	Mean velocity	Maximum velocity
<i>Day</i>														
1	SW 3	SW 4	SW 4	W 3	SW 2	SE 3	SW 4	SW 4	SW 3	SW 4	SW 2	SW		
2	E 8	E 7	SE 8	SE 7	SE 7	SE 9	SE 12	SE 13	S 12	S 10	S 12	SE	7.4	S 14
3	SE 5	SE 2	SW 5	SW 8	SW 3	SW 5	SW 5	SW 3	S 4	S 4	SW 5	S	6.9	S 16
4	NW 17	NW 18	NW 19	NW 19	NW 22	NW 20	NW 17	NW 16	NW 12	N 17	N 21	NW	11.4	N 26
5	SE 4	SE 3	E 3	SW 3	E 5	SW 6	SW 9	SW 7	S 2	S 3	W 5	NE	8.8	N 22
6	NW 7	NW 6	NW 3	NW 2	NW 4	NW 6	W 3	W 3	N 2	W 2	W 2	NW	5.3	NW 12
7	W 5	NW 4	NW 4	NW 5	NW 5	NW 3	NW 4	NW 3	NW 4	NW 3	NW 3	NW	3.6	NW 6
8	NW 7	NW 6	NW 6	NW 6	NW 6	NW 5	NW 4	NW 5	SW 2	NW 2	N 2	NW	5.2	NW 11
9	SE 13	SE 13	SE 12	SE 14	SE 14	SE 15	S 16	S 16	S 16	SW 16	SW 14	SE	10.0	SE 17
10	NW 6	NW 7	NW 9	NW 10	NW 10	NW 9	NW 6	NW 6	NW 5	N 7	N 4	NW	7.7	S 15
11	SE 10	SE 10	SE 10	SE 11	SE 11	SE 10	SE 10	SE 10	S 9	S 9	S 8	SE	7.9	SE 12
12	0	SW 2	SW 2	SW 2	SW 2	S 2	0	0	S 2	NE 2	NE 2	S	2.8	S 8
13	(S) 3	(S) 3	(S) 4	(S) 4	(SW) 4	SW 4	S 5	S 4	S 3	S 3	S 4	S	3.6	S 7
14	N 2	NE 4	NE 4	NE 3	NE 2	E 4	E 5	E 3	SE 5	SE 5	E 4	S	3.8	S 5
15	E 5	E 5	E 5	E 6	E 6	E 7	E 6	E 7	E 6	E 8	E 9	E	4.6	E 11
16	S 6	S 5	S 5	S 6	S 7	S 7	S 7	S 6	SW 6	SW 4	S 3	S	7.0	SE 11
17	NW 12	NW 13	NW 14	NW 16	NW 15	NW 14	NW 15	NW 16	NW 16	NW 17	NW 16	NW	9.1	NW 18
18	NE 7	NE 7	NE 7	NE 6	NE 6	NE 5	NE 5	NE 3	NW 6	NE 3	NE 4	NE	7.7	NW 18
19	NE 8	NE 8	NE 8	NE 10	NE 10	NE 9	NE 9	NE 7	NE 6	NE 7	NE 9	NE	6.8	NE 10
20	E 17	E 18	E 19	E 19	E 18	E 19	E 19	E 20	E 19	E 20	E 21	E	19.1	N 25
21	E 10	E 9	E 11	E 9	E 4	SE 6	SE 5	SE 6	SE 6	SE 7	SE 7	SE	12.6	E 22
22	SW 3	W 5	W 3	W 6	NW 7	NW 9	NW 9	NW 11	NW 12	NW 15	NW 17	SW	6.8	NW 17
23	NE 9	NE 8	NE 9	N 9	N 8	N 7	NW 6	N 6	W 8	W 8	W 7	NW	9.9	NW 19
24	W 6	W 6	W 8	W 9	NW 9	W 5	N 5	N 6	N 5	N 4	N 4	W	6.1	W 9
25	SW 8	SW 7	SW 7	SW 8	SW 10	S 12	S 9	S 8	SW 11	SW 8	W 7	SW	6.5	SW 17
26	W 3	SW 6	SW 7	SW 8	SW 9	W 5	W 6	W 4	W 7	W 8	W 9	W	6.0	SW 11
27	W 10	W 11	W 11	W 12	W 15	NW 17	NW 20	NW 19	NW 21	NW 20	NW 20	W	11.9	NW 23
28	W 14	W 11	W 12	SW 11	N 13	SW 13	W 10	W 11	NW 10	NW 11	NW 10	NW	14.9	NW 25
29	W 9	NW 7	NW 7	NW 7	NW 5	N 5	N 4	NW 5	N 4	N 7	N 8	NW	8.8	NW 16
30	NW 28	NW 27	NW 26	NW 23	NW 18	NW 19	NW 18	NW 18	NW 17	NW 18	NW 17	N, NW	16.2	NW 29
Prevailing direction	W, NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW		
Mean velocity	8.2	8.1	8.4	8.7	8.6	8.7	8.5	8.2	8.0	8.4	8.5		8.1	15.6

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TABLE 35.—Relative humidity—hourly values, on board the "City of New York" in the Bay of Whales

JANUARY 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Day																										
1.....																84	78		74	76	75	75	71	68	65	74.0
2.....	71	75	76	76	77	79	81	85	74	77	74	78	80	80	78	75	74	69	69	69	67	64	66	68	74.3	
3.....	63	69	69	70	65	66	70	74	79	81	83	76	75	74	72	69	66	64	59	63	67	63	64	62	68.9	
4.....	62	60	66	72	75	74	79	73	76	75	78	75	75	77	77	77	75	76	70	72	70	71	65	66	72.3	
5.....	66	64	63	64	62	63	67	70	73	77	76	80	79	79	78	77	77	75	76	75	70	64	60	57	70.5	
6.....	54	54	40	53	56	62	67	71	75	72	77	75	74	76	76	76	70	71	72	73	79	81	95	89	70.7	
7.....	89	91	89	88	90	91	92	91	84	82	82	67	61	66	79	85	83	83	85	93	95	95	93	93	85.3	
8.....	92	93	93	92	92	92	87	86	85	83	81	82	81	79	80	85	86	87	85	90	91	95	96	88	87.5	
9.....	92	90	89	83	72	73	68	69	72	79	78	83	83	82	80	79	79	79	76	78	81	72	72	73	78.4	
10.....	78	75	71	71	73	85	93	95	97	98	99	100	100	100	100	99	98	99	99	97	97	89	90	90	91.4	
11.....	90	91	92	93	91	92	93	94	94	93	93	92	92	92	91	91	90	91	91	91	88	91	90	89	91.5	
12.....	87	91	92	91	93	96	95	95	90	82	81	90	90	87	82	82	83	82	79	81	81	82	80	80	86.3	
13.....	80	80	78	79	79	78	77	77	75	74	77	68	67	72	77	77	68	71	67	67	73	73	70	72	74.0	
14.....	77	77	84										77	73	77	79	80	73	63	75	80	82	88	88	78.2	
15.....	96	87	89	99	100	90	89	89	87	85	82	74	67	67	67	65	76	82	84	89	90	89	92	92	84.5	
16.....	87	86	87	90	92	90	91	88	83	87	84	83	82	81	83	81	83	85	85	90	90	87	89	85	86.2	
17.....	87	85	85	88	88	87	88	88	81	81	60	55	51	48	49	57	67	79	83	85	85	83	87	88	76.5	
18.....	88	86	84	86	86	87	87	86	87	87	88	90	91	90	91	90	90	89	90	89	88	88	88	89	88.1	
19.....	89	90	90	88	88	88	88	88	88	88	87	87	87	82	85	86	87	86	84	84	83	85	84	86	86.6	
20.....	90	92	92	92	92	92	92	91	91	91	91	91	91	91	91	91	91	92	95	98	100	100	100	96	93.0	
21.....	97	95	96	96	96	96	95	93	93	93	85	83	92	84	94	96	100	99	100	100	100	96	97	96	94.7	
22.....	96	95	95	90	75	75	83	82	81	70	75	65	60	65	70	73	71	84	84	94	89	93	93	95	81.4	
23.....	95	92	95	95	87	82	83	87	84	85	87	88	87	86	87	88	90	90	90	92	90	88	88	85	88.4	
24.....	85	84	79	79	78	63	57	59	55	67	77	79	75	74	72	72	75	71	67	68	67	65	72	80	71.7	
25.....	84	87	89	89	82	90	91	87	80	59	64	71	90	99	90	76	89	94	93	95	96	95	89	83	85.9	
26.....	92	98	99	96	94	90	91	93	87	80	68	62	65	66	74	78	77	79	82	82	92	97	100	97	85.0	
27.....	93	96	89	84	78	77	71	62	54	60	69	70	75	72	65	70	70	75	78	79	84	85	86	88	76.3	
28.....	82	94										82	75	75	73	77	78	78	82	95	94	80	100	100	84.3	
29.....	100	100	100	100	90	79	81	80	80	80	76	84	93	90	87	91	90	86	85	90	88	93	90	92	88.5	
30.....	91	92	93	92	91	91	92	93	93	87	79	70	72	68	69	69	76	78	80	85	88	90	90	89	84.1	
31.....	87	83	81	81	82	81	82	83	83	78	78	77	74	75	73	71	75	80	86	76	89	93	94	91	81.4	
Mean.....	84.7	85.1	84.6	84.9	83.0	82.5	83.2	83.2	81.5	80.4	79.6	78.5	78.7	78.3	78.9	70.5	80.4	81.3	81.1	83.5	84.7	83.9	85.0	83.9	82.1	

FEBRUARY 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	96	95	95	89	87	91	83	84	70	69	70	70	75	76	76	76	77	77	79	81	90	86	86	86	81.8
2.....	86	85	84	84	83	82	82	81	78	77	77	76	76	76	79	81	82	83	83	81	80	83	84	82	81.0
3.....	85	88	88	87	87	84	84	84	87	86	86	86	88	89	91	91	85	76	79	85	85	82	94	96	86.4
4.....	93	91	90	90	92	89	86	83	69	64	68	75	78	79	80	80	80	80	80	81	80	84	83	83	81.6
5.....	84	84	84	83	78	66	72	75	72	75	75	67	69	75	76	75	71	75	76	72	77	79	87	80	76.1
6.....	84	84	83	82	82	83	83	75	75	75	70	66	67	65	65	48	53	65	73	70	77	78	87	80	73.7
7.....	75	70	93	90	87	93	94	85	76	74	77	75	77	75	73	80	80	84	84	88	88	88	93	95	83.1
8.....	95	95	95	96	96	97	99	100	100	99	98	98	98	98	98	98	98	97	96	96	97	96	96	96	97.2
9.....	96	96	96	96	96	96	96	96	95	95	95	96	95	95	95	95	95	96	96	98	97	95	94	94	95.6
10.....	92	92	91	90	90	91	91	90	88	89	89	90	91	92	92	93	93	93	92	92	92	91	91	90	91.0
11.....	89	89	93	93	93	93	92	92	92	92	90	88	88	86	86	84	85	85	89	91	90	87	83	78	88.7
12.....	77	78	80	84	88	81	78	74	79	75	70	79	76	82	81	88	87	88	85	75	82	80	79	80	80.2
13.....	78	81	83	83	84	88	93	92	88	84	89	84	86	85	85	85	86	86	86	84	83	85	89	90	85.7
14.....	90	86	82	81	86	87	87	88	89	88	88	86	86	85	85	85	86	87	82	83	84	84	85	84	85.6
15.....	84	84	84	84	82	82	81	85	87	86	85	85	87	87											84.5
Mean.....	86.9	86.5	88.1	87.5	87.4	86.9	86.7	85.6	83.0	81.9	81.8	81.4	82.5	83.0	83.0	82.8	82.7	83.7	84.3	84.1	85.9	85.6	87.9	86.7	84.8

TABLE 36.—Relative humidity—hourly values, Little America

FEBRUARY 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
16.....	86	85	85	86	83	82	82	81	81	80	78	76	76	75	71	74	73	79	77	79	80	80	80	79	79.5
17.....	74	80	76	73	76	73	70	75	77	73	73	73	72	69	75	76	79	77	77	74	74	71	77	79	74.7
18.....	80	79											61	57	60	62	65	69	69	69	71	73	74	74	69.0
19.....	75	73	71	70	65	73	75	76	76	76	76	76	77	77	76	76	76	76	77	75	76	77	76	77	74.9
20.....	75	75	74	72	72	70	66	70	72	73	74	73	74	75	74	74	74	75	75	76	75	75	79	81	73.9
21.....	78	78	77	74	70	71	65	66	71	72	73	72	72	68	71	72	72	72	74	74	72	74	77	79	72.7
22.....	77	75	74	73	73	71	65	62	64	66	65	64	65	64	62	63	64	65	67	67	69	71	72	72	67.9
23.....	72	72	72	70	70	70	65	60	64	72	76	76	76	75	75	75	75	75	75	76	77	82	82	82	73.5
24.....	83	83	83	83	83	84	84	84	85	85	85	85	85	85	85	85	85	86	85	85	85	85	85	85	84.5
25.....	84	83	83	83	83	83	83	84	84	84	85	85	85	85	83	83	84	83	84	84	84	84	84	85	83.8
26.....	84	85	85	85	85	85	86	86	86	86	87	86	86	85	85	84	83	82	80	79	78	77	76	75	83.2
27.....	75	75	75	74	74	74	74	73	72	72	71	71	71	71	70	70	70	70	71	71	72	72	72	72	72.2
28.....	72	72	72	72	72	73	73	72	72	73	74	74	71	71	71	71	71	71	71	71	71	71	72	72	71.9
Mean.....	78.1	78.1	77.2	76.2	75.5	75.7	73.9	74.1	75.3	76.0	76.3	74.8	74.4	73.7	73.7	74.2	74.7	75.4	75.5	75.4	75.7	76.3	77.4	77.8	75.7

MARCH 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	72	73	74	73	73	73	74	74	73	73	74	74	75	75	75	76	76	76	75	75	75	75	74	74	74.2
2.....	74	74	74	75	75	75	75	75	75	75	75	75	75	75	75	75	76	75	75	75	74	73	72	71	74.5
3.....	70	70	70	70	70	70	70	70	70	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69.4
4.....	70	70	70	70	70	70	71	71	71	71	71	71	72	72	72	72	72	73	73	72	72	72	72	72	71.3
5.....	72	72	71	71	71	71	71	71	71	71	71	72	73	74	74	75	75	75	75	75	75	75	75	75	73.0
6.....	75	75	76	76	77	77	78	79	79	80	81	81	82	82	81	80	80	79	78	77	76	75	74	73	78.0
7.....	73	74	74	74	74	74	73	73	73	72	72	72	73	73	73	73	74	73	72	71	70	70	70	70	72.5
8.....	70	72	73	74	74	78	79	79	78	78	78	73	70	65	63	64	64	63	64	65	67	67	68	68	70.0
9.....	68	69	69	69	72	73	73	73	73	73	74	74	74	74	74	75	75	76	76	77	77	78	78	78	73.8
10.....	79	78	77	76	76	75	75	75	75	75	75	75	72	72	71	71	70	68	69	69	69	69	70	70	70.4
11.....	69	71	72	72	72	73	73	73	73	74	74	74	74	72	72	72	72	72	72	71	70	69	68	68	71.8
12.....	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	69	69	69	68	68	68	68	68	68.2
13.....	68	68	68	69	70	71	71	71	73	74	76	76	76	76	76	76	77	77	77	77	77	78	78	79	74.1
14.....	79	80	81	81	82	82	82	82	82	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	82.3
15.....	83	83	83	83	83	83	83	83	82	82	81	80	79	78	77	76	75	74	73	72	71	70	70	69	78.0
16.....	69																								
17.....																									
18.....																									
19.....							66	67	67	67	66	66	66	66	65	65	65	65	65	64	63	63	63	62	65.0
20.....	63	64	62	62	62	63	65	66	66	67	67	67	67	68	68	68	67	67	67	66	66	66	65	64	65.5
21.....	64	66	67	67	67	64	64	64	64	63	63	62	62	63	63	63	63	63	62	61	61				63.6
Mean.....	71.4	72.2	72.3	72.4	72.7	72.9	73.2	72.9	72.8	72.9	72.9	72.7	72.4	72.4	72.2	72.3	72.3	72.1	71.9	71.5	71.3	71.8	71.6	71.4	72.3

APRIL 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
15.....	95	95	95	96	96	95	95	96	96	96	95	95	96	96	95	95	95	95	95	95	94	93	93	93	95.0
16.....	92	91	91	91	91	92	92	92	92	93	92	92	91	91	91	91	91	90	90	90	90	90	90	90	91.1
17.....	90	90	90	90	90	91	91	92	92	92	93	93	93	92	92	92	92	92	92	92	92	92	92	92	91.7
18.....	91	91	91	91	91	90	90	90	90	91	92	92	91	91	91	91	91	91	91	91	90	90	90	90	90.8
19.....	91	91	91	91	91	91	91	91	91	91	91	91	91	90	90	90	90	90	89	89	89	89	89	89	90.2
20.....	88	88	88	88	88	88	88	88	88	87	87	87	87	88	88	88	88	88	87	87	87	87	87	87	89.2
21.....	92	92	92	93	93	93	94	94	94	94	94	95	95	95	95	94	94	94	94	94	94	94	93	93	93.7
22.....	93	94	94	94	94	94	93	93	93	93	93	92	92	91	91	91	90	90	90	90	90	90	91	91	92.0
23.....	92	92	92	92	92	91	91	90	89	89	89	89	89	88	88	88	88	87	87	87	87	87	87	87	89.1
24.....	87	87	87	87	87	87	87	87	87	87	87	87	87	88	88	88	89	89	89	89	90	90	90	90	88.0
25.....	90	90	90	90	91	91	92	92	92	92	92	93	93	94	94	94	94	94	94	94	94	94	94	94	92.6
26.....	93	93	93	94	94	93	91	90	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	90.2
27.....	89	89	89	89	89	89	89	90	91	91	92	92	93	93	93	93	94	94	94	94	93	92	91	91	91.4
28.....	91	91	91	90	90	90	90	90	91	91	91	91	90	90	90	89	89	88	88	88	88	87	87	87	89.5
29.....	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	88	88	88	89	89	89	91	93	87.8
Mean.....	90.7	90.7	90.7	90.9	90.9	90.8	90.7	90.8	90.9	90.9	91.0	91.0	90.9	90.8	90.9	91.2	91.3	91.1	91.0	91.1	91.1	90.9	90.9	91.1	90.9

TABLE 36.—Relative humidity—hourly values, Little America—Continued

MAY 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Day																										
1.....	93	96	92	89	95	97	98	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	98.3	
2.....	100	100	100	100	100	100	100	99	97	96	97	97	97	97	97	97	97	98	98	99	99	100	100	100	100	98.7
3.....	100	100	100	99	99	99	99	98	98	97	97	96	95	92	90	89	88	88	87	86	85	84	84	84	84	93.1
4.....	83	83	83	83	83	82	82	82	82	82	81	81	81	81	81	80	80	80	80	80	80	80	80	80	80	81.3
5.....	80	80	80	80	80	80	80	80	80	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79.3
6.....	79	79	79	79	78	78	78	78	78	78	78	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77.6
7.....	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77.0
8.....	77	77	77	77	76	76	76	76	76	76	76	77	77	78	78	78	79	80	80	81	81	83	83	84	85	78.6
9.....	85	89	89	89	89	89	89	89	89	89	89	89	89	89	90	90	86	85	84	83	82	81	81	80	86.8	
10.....	81	82	83	85	86	86	85	85	86	86	85	85	85	85	87	87	87	87	87	88	90	89	90	90	86.1	
11.....	91	92	91	91	91	91	91	91	91	91	90	90	90	90	89	89	89	89	89	89	89	89	89	89	89	90.0
12.....	89	89	88	87	87	87	87	86	85	85	84	84	84	83	83	83	83	83	83	83	83	82	82	82	84.7	
13.....	82	82	82	82	82	82	82	82	81	81	81	81	79	77	75	75	75	75	75	75	75	75	75	75	75	78.6
14.....	74	74	74	74	74	75	74	74	74	73	73	73	73	73	73	73	73	73	73	74	74	73	73	73	73	74.7
15.....	75	74	74	74	74	73	73	73	73	73	73	73	73	73	73	73	73	73	73	74	74	74	73	73	73	73.4
16.....	73	73	73	73	74	74	74	74	73	73	74	74	74	74	74	75	75	75	75	76	76	76	76	76	76	74.5
17.....	76	77	77	77	77	77	76	76	77	77	77	77	78	78	78	78	78	77	76	75	75	75	75	74	76.5	
18.....	74	75	74	74	74	74	74	74	74	73	73	73	73	73	73	73	73	73	74	76	76	76	77	77	78	74.4
19.....	78	79	79	80	80	80	80	80	81	81	81	81	82	82	82	82	82	82	83	83	83	82	82	82	82	81.2
20.....	82	82	82	82	82	81	81	80	80	79	79	78	77	77	76	76	76	76	76	76	76	77	77	78	78	78.6
21.....	78	78	77	77	76	76	75	75	74	74	74	75	79	79	80	80	80	80	81	81	80	80	79	79	79	77.8
22.....	79	80	80	81	81	81	81	81	80	80	80	80	81	81	81	81	83	82	82	82	81	81	80	80	80	80.5
23.....	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	82	82	82	82	82	82	82	81.3
24.....	82	83	83	82	81	81	81	81	81	81	82	82	82	84	84	85	85	82	83	83	83	83	82	81	80	82.3
25.....	81	81	81	81	81	80	80	81	81	80	80	80	80	80	81	81	81	82	83	84	85	86	86	86	86	81.8
26.....	85	85	85	85	85	87	86	87	87	87	85	84	84	82	82	81	80	79	79	79	79	78	77	76	82.7	
27.....	76	75	75	75	75	75	75	75	75	75	74	74	73	73	74	75	75	75	75	75	76	77	78	79	75.2	
28.....	80	80	82	83	84	86	86	86	86	86	87	86	86	85	84	84	84	84	83	84	85	85	85	85	85	84.3
29.....	84	84	84	84	84	84	84	83	83	82	82	82	82	83	83	82	81	81	82	82	83	83	82	81	82.7	
30.....	80	81	81	81	81	81	80	79	78	77	77	76	76	76	76	75	74	74	74	74	74	74	74	74	74	77.0
31.....	74	74	74	73	73	73	73	73	73	73	73	73	73	73	73	74	74	74	74	74	74	74	74	74	75	73.0
Mean....	81.6	82.0	81.8	81.8	81.9	82.0	81.9	81.8	81.6	81.5	81.3	81.2	81.3	81.1	81.2	81.1	80.8	80.9	81.0	81.0	81.2	81.1	81.0	81.0	81.4	

JUNE 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Day																										
1.....	75	74	74	73	74	74	74	74	74	75	75	75	75	75	74	74	74	75	76	76	76	76	76	76	76	74.8
2.....	76	76	76	76	76	76	76	76	76	76	76	75	75	75	75	75	75	75	75	75	74	74	74	74	74	75.3
3.....	74	74	74	74	73	73	73	73	73	73	72	71	71	71	71	71	71	71	71	71	71	71	71	71	71	72.0
4.....	72	72	73	74	74	75	75	79	79	79	79	79	78	78	77	77	77	77	77	77	76	76	76	76	75	76.3
5.....	75	75	76	76	75	75	75	75	74	74	74	73	73	73	72	72	72	72	72	72	73	73	73	75	79	74.0
6.....	81	83	84	86	87	88	92	94	94	93	81	83	82	83	82	82	82	82	82	81	80	80	80	80	80	84.2
7.....	80	80	80	79	79	79	79	79	78	78	78	78	78	79	79	80	84	86	94	95	95	95	93	92	93	83.2
8.....	90	90	90	91	90	80	88	88	87	86	86	85	85	85	84	84	86	85	85	84	84	85	85	85	85	86.6
9.....	85	85	85	85	85	86	86	86	87	87	87	87	87	87	87	87	88	88	88	88	88	87	87	87	87	86.7
10.....	87	87	88	88	88	89	89	90	90	90	90	93	93	92	92	92	92	92	92	92	91	91	92	92	92	90.5
11.....	91	91	91	91	94	95	96	96	96	96	95	95	95	95	95	95	95	95	95	95	96	95	95	95	94	94.5
12.....	93	93	92	92	91	90	90	90	90	88	87	87	87	87	86	85	85	84	84	83	83	83	83	83	83	87.3
13.....	83	82	82	82	82	82	82	84	84	84	84	85	87	88	89	89	89	89	89	89	89	89	89	89	89	85.5
14.....	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	88	88	88	88	88	88	88	88	88.7
15.....	88	88	88	88	88	87	87	87	87	87	87	87	86	86	86	85	84	82	82	81	79	79	79	79	78	84.8
16.....	78	78	78	78	77	77	77	77	77	77	77	77	77	78	77	78	78	79	79	80	80	82	84	85	78.5	
17.....	85	86	88	88	88	89	89	91	92	91	91	91	96	95	96	96	96	96	96	95	94	94	94	94	94	92.1
18.....	93	94	93	92	92	93	91	92	92	92	92	93	93	92	92	92	93	93	93	94	95	95	95	95	95	93.0
19.....	95	95	95	96	96	96	98	98	97	97	97	97	96	95	94	94	94	94	94	94	94	93	92	95	95.3	
20.....	90	89	88	87	87	88	87	87	87	87	87	87	89	89	89	89	89	89	90	90	91	91	91	91	90	88.7
21.....	90	90	90	90	90	90	90	89	87	87	86	87	87	87	87	88	88	87	87	87	86	84	83	83	83	87.5
22.....	82	82	82	82	82	83	82	82	83	83	83	83	83	84	85	85	85	85	85	85	86	86	86	86	86	83.8
23.....	86	85	85	85	86	86	86	85	85	85	85	85	85	85	84	84	84	84	84	84	83	82	82	81	84	84.4
24.....	81	81	82	82	83	83	84	84	84	84	85	85	87	87	87	87	88	88	89	89	89	89	89	89	89	85.7
25.....	89	88	88	88	87	88	88	88	90	90	91	91	91	91	91	90	90	90	90	91	91	90	89	89	89	89.5
26.....	90	90	89	88	86	86	85	85	85	85	85	85	85	85	85	84	84	85	85	85	85	84	84	84	84	85.6
27.....	84	84	83	83	83	83	83	83	84	84	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83.2
28.....	83	83	83	83	83	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	83.7
29.....	84	84	84	84	84	84	84	83	83	83	83	83	83	82	80	80	80	80	80	80	80	79	79	79	79	81.9
30.....	79	78	78	78	78	78	78	78	78	78	78	78	78	78	77	77	77	77	77	77	78	78	78	78	78	77.8
Mean.....	84.3	84.2	84.3	84.3	84.2	84.5	84.5	84.8	84.9	84.7	84.2	84.4	84.6	84.6	84.4	84.3	84.5	84.5	84.9	84.9	84.7	84.5	84.6	84.5		84.5

TABLE 36.—Relative humidity—hourly values, Little America—Continued

JULY 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	78	78	78	78	77	77	77	77	77	75	75	75	72	72	71	71	71	71	71	71	71	70	70	70	73.9
2.....	70	70	71	71	71	71	71	71	71	71	71	71	71	71	70	70	70	70	70	70	70	70	70	70	70.5
3.....	70	70	70	70	70	70	70	70	71	72	73	72	72	72	72	71	71	71	71	71	71	71	71	71	71.0
4.....	71	71	71	71	70	70	70	70	70	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70.8
5.....	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	72	76	77	80	81	82	82	82	82	74.1
6.....	82	82	81	81	81	80	80	80	80	79	79	79	79	79	79	79	79	78	78	78	78	78	78	78	79.4
7.....	78	78	78	78	78	78	78	79	79	78	79	79	79	79	79	79	78	78	78	78	77	77	78	78	78.2
8.....	78	78	78	78	77	77	77	77	76	76	76	76	75	75	75	75	75	75	75	75	75	75	76	76	76.1
9.....	75	75	76	75	75	75	75	75	74	74	74	74	75	75	74	74	74	74	74	74	74	74	74	75	74.5
10.....	76	76	76	76	76	76	76	76	76	76	76	76	75	75	75	75	75	75	74	74	74	75	75	76	75.4
11.....	77	77	77	77	78	77	77	78	78	77	77	77	77	77	77	76	76	76	76	76	76	76	76	76	76.8
12.....	76	77	77	77	77	77	77	78	78	78	78	78	78	78	78	78	78	78	78	77	77	76	76	75	77.3
13.....	75	75	75	75	74	74	74	74	74	74	74	74	74	74	74	74	74	75	76	76	76	76	76	76	74.7
14.....	78	81	82	82	82	82	82	82	80	80	79	79	79	79	78	78	78	78	78	78	78	78	78	78	79.5
15.....	78	79	78	78	79	80	80	80	83	84	83	83	80	84	84	81	81	81	80	80	79	78	78	78	80.4
16.....	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	77	77	77	77	77.8
17.....	77	77	77	77	77	77	77	77	77	77	77	76	76	76	76	76	76	76	75	75	75	75	75	75	76.2
18.....	75	75	76	76	76	76	76	76	78	79	80	81	81	82	83	83	83	83	82	82	82	80	80	80	79.3
19.....	80	80	80	80	79	79	79	79	79	80	81	83	83	84	85	85	85	85	85	84	84	83	83	83	82.0
20.....	83	83	83	83	83	83	85	87	91	93	93	93	93	93	93	94	93	91	91	90	89	87	85	84	88.5
21.....	84	83	82	81	81	81	81	80	80	80	80	80	80	82	82	82	83	82	82	82	82	82	81	81	81.4
22.....	81	81	81	80	80	81	80	80	80	80	80	80	80	80	80	81	81	81	81	81	81	81	81	81	80.5
23.....	81	81	81	81	81	81	81	81	81	81	81	81	81	80	80	81	81	80	80	79	79	78	78	78	80.3
24.....	78	78	77	77	77	77	76	76	76	76	76	76	75	75	75	75	76	76	78	80	82	82	83	82	77.5
25.....	82	82	82	82	81	80	78	78	78	77	77	78	78	78	77	78	77	76	75	75	75	74	74	74	77.8
26.....	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	75	75	75	75	74.2
27.....	75	75	76	76	76	76	76	77	77	77	77	76	75	75	75	75	75	76	76	76	76	75	75	75	75.7
28.....	75	75	75	75	75	75	75	75	75	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74.4
29.....	75	75	75	75	75	76	76	78	78	79	79	79	79	79	80	80	79	79	79	79	78	78	77	78	79.7
30.....	85	86	86	87	88	88	88	88	88	88	88	88	88	85	84	84	84	84	83	83	83	83	83	83	85.5
31.....	83	83	84	84	84	84	84	84	84	84	85	85	85	86	87	88	88	91	92	93	94	95	95	95	87.3
Mean.....	77.4	77.5	77.6	77.5	77.5	77.5	77.4	77.6	77.8	77.8	77.9	77.9	77.6	77.8	77.8	77.8	77.9	77.9	78.0	77.9	77.8	77.6	77.6	77.6	77.7

AUGUST 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	94	94	94	94	95	95	96	96	97	98	98	98	99	98	98	99	99	100	100	100	100	100	100	100	97.6
2.....	100	100	100	100	100	100	99	99	96	96	97	97	97	98	99	99	99	99	99	99	99	99	98	98	98.6
3.....	97	97	97	97	97	97	97	97	90	90	90	90	90	90	89	89	89	89	89	89	88	88	88	88	91.8
4.....	88	88	88	88	88	88	88	88	88	88	88	88	88	88	87	87	87	87	87	87	87	87	87	87	87.6
5.....	87	87	87	87	87	87	87	87	87	87	87	88	88	88	88	88	88	88	88	88	85	85	85	85	87.0
6.....	85	83	82	82	82	82	82	81	82	83	84	85	86	86	87	86	86	85	85	85	85	85	85	85	84.1
7.....	85	85	86	87	87	87	88	88	87	88	87	87	87	86	86	86	85	84	84	83	83	83	82	82	85.5
8.....	82	82	82	82	81	81	81	80	80	80	80	79	79	78	78	78	78	78	78	78	78	78	78	79	79.6
9.....	79	79	80	79	79	79	79	80	80	80	80	80	80	79	79	79	79	79	78	78	78	78	78	78	79.0
10.....	78	78	78	77	77	77	76	76	76	76	76	76	76	76	76	76	77	78	80	80	81	82	83	84	77.9
11.....	86	87	87	87	88	89	90	91	91	91	91	91	91	92	92	92	92	92	91	90	89	88	86	86	86.8
12.....	86	86	86	86	86	86	86	85	85	85	85	85	85	85	84	83	83	83	83	83	82	82	82	82	84.3
13.....	82	82	82	82	82	82	83	83	82	82	83	83	82	82	81	81	81	81	81	81	80	80	80	80	81.6
14.....	80	80	80	80	80	80	80	83	84	88	91	91	91	91	90	90	90	90	89	88	86	86	86	86	85.8
15.....	87	87	87	87	87	88	90	89	88	88	88	88	88	87	86	86	85	85	85	86	86	86	86	86	87.0
16.....	87	90	93	95	95	96	96	97	100	100	100	100	100	100	98	97	97	97	96	96	95	95	95	95	96.2
17.....	95	95	95	95	95	95	95	95	94	94	93	92	92	92	91	91	91	91	93	94	99	100	100	100	94.5
18.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	96	96	94	94	93	93	93	93	94	95	97.5
19.....	96	97	98	98	98	98	94	96	97	95	95	98	97	97	97	97	97	97	97	96	96	96	96	96	96.6
20.....	96	96	96	96	96	96	96	96	96	95	95	95	95	95	95	95	95	95	95	95	94	94	93	92	95.1
21.....	91	91	91	91	91	91	91	91	90	89	89	89	89	89	89	88	89	89	89	89	90	90	90	90	89.9
22.....	90	90	90	90	89	88	88	88	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	87.0
23.....	86	86	85	85	84	84	84	84	84	84	83	83	83	83	82	82	82	82	82	82	82	82	82	82	83.2
24.....	82	82	82	82	82	82	82	82	81	82	82	82	82	82	81	81	81	81	81	81	81	81	81	81	81.5
25.....	81	82	82	82	82	82	82	82	83	83	82	82	82	82	82	82	82	82	81	81	81	81	81	81	81.8
26.....	82	82	82	82	82	82	82	82	81	81	81	82	82	81	81	81	81	81	80	80	80	80	80	80	81.2
27.....	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80.0
28.....	81	81	81	81	82	82	83	82	82	82	82	82	82	83	83	84	84	84	84	84	85	85	85	85	82.9
29.....	86	86	86	86	87	87	88	89	88	91	92	92	92	93	93	93	93	93	93	93	93	92	92	92	90.4
30.....	92	92	91	91	91	91	91	90	90	89	88	88	87	87	87	87	86	86	86	86	85	85	85	85	88.2
31.....	85	85	84	84	84	83	83	82	81	81	81	81	81	81	80	80	80	80	80	80	80	80	79	79	81.4
Mean....	87.3	87.4	87.5	87.5	87.5	87.6	87.6	87.7	87.8	87.5	87.5	87.7	87.6	87.6	87.1	87.1	87.0	87.0	86.9	86.8	86.7	86.7	86.6	86.6	87.3

TABLE 36.—Relative humidity—hourly values, Little America—Continued

SEPTEMBER 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	79	79	79	79	79	79	79	79	80	80	80	80	80	80	80	80	80	80	80	80	79	79	79	79	79.5
2.....	80	80	80	80	81	81	81	82	82	83	83	83	83	83	83	83	83	84	84	84	84	84	84	84	82.5
3.....	84	83	83	83	83	82	82	82	83	83	83	83	83	84	84	83	83	83	83	83	83	82	82	82	82.9
4.....	82	82	82	82	82	81	81	81	81	81	81	81	81	81	81	81	81	81	81	82	82	82	82	82	81.4
5.....	81	81	82	83	83	84	84	85	85	85	86	86	86	88	90	92	92	92	91	90	89	88	87	87	86.6
6.....	87	87	87	87	87	87	87	86	85	84	83	82	82	81	81	81	81	81	81	81	81	81	81	81	83.2
7.....	81	81	81	81	81	81	81	81	81	81	81	81	81	81	80	80	80	80	80	80	81	81	82	83	80.9
8.....	83	83	83	84	84	84	84	84	85	85	85	84	84	82	82	82	82	82	82	82	81	81	81	81	82.9
9.....	81	81	81	81	81	81	81	81	81	81	81	81	80	79	78	78	78	79	79	78	78	78	79	79	79.8
10.....	79	79	79	79	79	79	79	79	78	78	78	79	79	79	79	79	79	79	79	79	79	79	79	79	78.9
11.....	79	79	79	79	79	79	79	79	79	79	79	78	78	78	77	77	77	77	77	77	77	77	77	77	78.0
12.....	77	77	77	77	77	78	78	78	76	76	76	76	76	76	77	77	77	77	77	77	77	77	77	77	76.9
13.....	77	77	77	77	77	77	77	77	77	79	80	80	80	80	81	81	81	82	82	82	82	81	81	80	79.4
14.....	80	79	79	79	79	79	79	78	78	78	78	78	78	78	77	77	77	76	76	76	77	77	76	76	77.7
15.....	76	77	77	77	77	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	79	79	79	77.9
16.....	79	79	79	79	79	79	79	79	79	79	79	78	78	78	78	78	78	78	78	79	79	79	79	79	78.7
17.....	79	79	79	79	79	79	79	80	80	81	81	81	81	81	81	81	82	82	83	82	83	85	85	89	81.2
18.....	89	89	89	90	91	91	91	91	91	91	91	91	90	89	89	88	88	88	87	87	87	87	86	86	89.0
19.....	86	86	86	86	86	86	86	85	85	85	85	85	85	85	84	83	83	82	82	82	81	81	81	81	84.0
20.....	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	82	82	82	83	83	84	84	84	81.7
21.....	84	84	84	84	84	84	84	85	85	85	85	85	85	85	85	85	85	86	87	86	86	86	86	86	85.0
22.....	86	85	85	85	85	84	83	82	82	81	80	80	80	80	81	81	81	81	81	81	80	80	80	80	81.8
23.....	80	80	80	80	80	80	80	80	80	80	80	80	80	80	79	79	79	79	79	80	80	80	80	83	79.8
24.....	84	84	84	84	84	83	83	83	84	84	83	83	83	83	82	81	81	81	81	81	81	81	80	80	82.4
25.....	80	79	79	79	79	79	79	79	80	80	80	81	81	81	82	81	81	81	81	81	81	81	81	81	80.3
26.....	81	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	79	79	79	79	79.9
27.....	79	79	79	79	79	79	79	79	79	79	79	79	80	80	80	80	80	79	79	79	78	78	78	78	79.0
28.....	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	77	77	77	77	77.8
29.....	77	77	77	77	77	77	77	77	77	78	78	78	78	78	78	78	78	78	78	78	77	77	77	77	77.5
30.....	77	77	77	77	77	77	78	79	80	80	80	81	85	87	87	87	87	88	88	88	87	87	86	85	82.6
Mean.....	80.9	80.7	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.1	81.0	81.1	81.1	81.1	81.1	81.0	81.1	81.1	81.1	81.1	80.9	80.9	80.8	81.0	81.0

OCTOBER 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	84	84	84	84	84	84	85	85	85	85	85	86	86	86	87	86	86	86	86	86	86	86	86	86	85.3
2.....	85	85	85	85	84	84	83	82	81	81	80	80	80	80	80	80	79	79	79	79	79	79	79	79	81.1
3.....	79	79	79	80	80	80	81	82	81	81	81	81	80	79	78	78	78	78	78	78	77	77	77	77	79.1
4.....	77	77	77	77	77	77	77	77	78	78	78	78	78	78	78	78	77	77	76	76	76	76	76	76	77.1
5.....	76	77	77	77	77	77	77	79	80	80	81	81	81	81	81	82	83	83	82	83	83	83	83	83	80.4
6.....	83	83	83	83	83	83	83	83	82	82	82	82	83	83	83	82	81	81	81	81	80	80	80	80	82.0
7.....	80	79	79	79	79	79	80	81	83	84	85	85	86	86	87	87	87	87	87	87	88	88	87	87	84.0
8.....	87	87	87	87	87	88	88	89	89	89	89	89	89	89	89	89	89	88	88	88	88	88	88	88	88.2
9.....	88	88	88	88	88	88	88	88	89	89	89	89	89	89	90	90	90	90	88	87	87	87	86	85	88.1
10.....	84	84	83	83	82	82	82	81	81	81	81	81	81	81	81	81	81	81	80	80	80	80	80	80	81.3
11.....	80	80	80	80	80	80	81	83	84	84	84	83	82	81	81	80	80	80	79	80	80	80	80	80	80.9
12.....	80	80	79	79	79	79	79	80	81	82	82	84	85	87	87	87	87	86	85	84	83	82	82	82	82.5
13.....	81	81	80	80	80	80	80	81	82	82	82	82	82	82	82	81	81	81	81	81	81	80	80	80	81.0
14.....	80	80	79	79	80	80	80	81	80	80	81	81	81	81	82	83	85	85	86	86	90	90	90	90	83.3
15.....	89	89	88	88	87	87	87	87	87	87	87	86	86	85	86	85	84	85	85	87	87	87	86	85	86.5
16.....	85	84	84	84	84	83	83	83	82	82	81	81	81	81	81	81	81	81	81	81	82	82	83	84	82.3
17.....	84	84	85	85	85	86	87	88	89	90	91	91	92	92	93	93	93	93	94	95	95	96	96	95	90.5
18.....	94	92	92	93	93	93	92	92	91	91	89	89	89	89	90	90	90	91	91	91	91	92	92	92	91.3
19.....	92	92	92	92	92	93	93	93	94	94	94	95	95	95	95	96	96	96	96	96	95	95	95	95	94.2
20.....	95	95	95	95	95	95	95	95	94	95	95	95	96	96	96	96	95	95	95	94	94	94	93	93	94.8
21.....	92	92	92	93	93	93	93	93	93	91	91	91	91	91	88	88	86	84	93	83	82	82	82	82	88.7
22.....	83	83	83	84	84	85	85	87	87	87	87	87	87	87	87	87	87	87	86	85	84	84	84	84	85.5
23.....	84	82	87	87	87	87	87	88	89	89	89	88	89	90	91	91	91	91	91	91	90	89	88	88	88.4
24.....	88	88	88	88	88	88	88	88	88	88	88	88	89	89	90	90	90	90	90	90	89	89	89	89	88.5
25.....	88	87	87	87	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	86	85	85	85	85	87.4
26.....	85	85	85	85	85	85	85	85	86	86	87	87	87	88	88	88	88	87	85	85	85	85	85	85	85.9
27.....	85	85	85	85	85	85	85	86	86	84	86	86	85	85	85	86	87	88	88	89	89	90	90	89	86.4
28.....	88	88	88	88	88	87	88	89	88	88	88	88	83	83	83	82	84	83	82	81	81	82	82	82	84.9
29.....	82	81	81	81	82	82	81	83	83	84	83	81	83	82	80	80	81	80	80	80	82	84	85	89	82.1
30.....	89	89	89	90	91	91	91	93	93	94	94	95	95	94	94	93	93	93	93	93	93	89	87	88	91.8
31.....	89	91	91	91	91	91	91	89	89	88	89	91	87	87	79	80	85	88	88	89	89	89	90	90	88.4
Mean.....	85.0	84.9	84.9	85.1	85.1	85.2	85.3	85.8	85.9	85.9	86.0	85.9	86.0	86.0	85.8	85.9	85.9	85.8	85.5	85.6	85.5	85.4	85.3	85.4	85.6

TABLE 36.—Relative humidity—hourly values, Little America—Continued

NOVEMBER 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	90	91	92	91	90	90	90	91	91	92	93	91	89	91	91	90	91	91	91	89	89	88	88	87	90.3
2.....	88	87	87	88	88	87	88	88	87	87	88	88	89	89	89	90	90	89	90	91	91	91	91	90	88.8
3.....	90	90	90	90	89	89	89	88	87	87	86	84	85	84	86	87	87	88	88	87	87	86	86	87	87.4
4.....	86	87	94	94	92	86	85	82	80	80	83	86	84	88	88	88	88	90	91	90	90	88	86	83	87.0
5.....	79	78	81	81	76	77	76	77	78	80	77	77	75	78	77	76	76	82	84	86	84	80	81	81	78.9
6.....	82	81	80	82	81	80	81	81	79	80	77	76	77	79	80	80	83	83	84	85	85	84	80	81	81.0
7.....	79	77	80	81	82	80	81	80	70	72	68	62	78	83	80	86	90	86	83	80	80	83	80	81	79.2
8.....	84	82	85	85	82	82	83	78	76	78	80	82	81	76	75	79	86	81	78	80	84	86	87	86	81.5
9.....	88	87	87	86	87	85	87	84	88	80	83	79	80	72	79	91	88	89	91	91	92	90	89	89	85.9
10.....	88	87	87	85	84	84	83	83	82	82	83	82	82	82	80	77	78	78	80	81	77	79	82	82	82.0
11.....	83	81	78	74	80	80	81	78	79	81	83	83	82	83	84	84	83	84	74	80	80	79	84	87	81.0
12.....	85	82	81	80	81	82	79	81	82	82	82	83	83	84	84	84	85	85	85	84	83	82	83	82	82.7
13.....	80	79	78	77	78	75	70	70	68	70	74	75	75	74	73	71	76	70	77	80	79	79	80	79	75.3
14.....	79	77	80	80	80	81	82	82	82	82	82	85	83	82	81	80	79	79	79	78	78	79	79	79	80.3
15.....	80	78	78	76	74	77	71	76	76	77	77	74	73	75	77	79	71	70	73	77	78	81	80	79	76.1
16.....	78	79	80	79	80	80	80	79	77	76	77	71	75	75	75	77	76	77	77	77	79	76	74	74	77.2
17.....	77	76	76	74	68	73	74	75	75	72	74	71	71	75	77	72	73	75	77	76	74	72	71	71	73.7
18.....	68	73	72	72	73	77	74	77	78	77	70	67	76	78	77	77	78	77	75	75	70	65	69	73	73.7
19.....	76	74	76	73	73	71	77	78	79	75	70	68	62	58	76	80	77	75	73	71	75	72	76	76	73.4
20.....	80	79	78	79	79	79	79	79	78	77	79	78	75	72	67	69	72	75	76	64	71	78	79	79	75.9
21.....	81	80	81	82	81	78	78	77	81	83	86	76	75	77	75	74	74	83	82	82	84	85	85	85	80.2
22.....	85	86	85	83	81	76	70	74	71	68	78	81	80	82	83	82	85	89	92	92	92	92	91	91	82.9
23.....	91	88	86	83	83	83	82	82	83	84	84	83	82	75	76	77	71	63	77	81	88	91	96	92	82.5
24.....	92	91	92	89	90	91	92	92	91	91	91	90	90	90	92	91	92	93	92	93	94	94	92	94	91.6
25.....	93	95	93	87	84	93	96	100	100	95	95	96	79	87	84	81	84	86	88	89	90	89	90	90	90.2
26.....	90	89	88	89	90	90	91	90	84	84	82	77	80	82	84	88	88	88	83	76	77	76	77	74	84.6
27.....	75	70	69	73	73	78	81	82	83	85	86	87	87	87	88	90	89	87	88	86	88	88	87	86	83.0
28.....	84	83	83	84	84	83	82	82	82	82	81	81	76	77	81	81	83	84	83	83	84	82	80	80	81.9
29.....	78	76	71	66	70	63	65	64	69	64	62	67	77	66	69	70	77	76	77	73	72	67	78	83	70.8
30.....	86	87	90	92	91	88	87	85	83	82	81	80	81	83	81	78	75	79	81	77	75	65	61	66	80.6
Mean.....	83.2	82.3	82.6	81.8	81.5	81.3	81.2	81.2	80.6	80.2	80.4	79.3	79.5	79.4	80.3	81.0	81.5	81.5	82.4	82.0	82.4	81.9	82.2	82.3	81.3

DECEMBER 1929

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	69	66	71	72	74	77	78	79	75	78	71	72	68	65	67	76	78	66	63	63	65	58	60	63	69.8
2.....	65	68	65	67	73	77	78	77	77	76	75	71	67	70	75	65	59	63	64	67	72	75	78	70	70.6
3.....	66	73	70	65	69	73	74	75	75	74	73	73	72	74	73	73	75	80	83	85	84	84	85	85	75.5
4.....	72	80	82	79	77	74	74	72	75	72	74	70	64	63	68	77	72	70	77	69	70	72	71	77	73.0
5.....	68	69	70	71	72	74	75	77	80	85	86	82	79	79	79	84	81	75	67	72	65	69	75	80	75.6
6.....	78	70	65	69	82	76	76	81	81	82	88	82	77	76	75	70	71	66	72	76	85	88	87	83	77.3
7.....	86	80	80	75	81	82	85	90	93	89	86	83	87	84	83	81	75	78	70	68	76	80	84	90	81.9
8.....	95	95	95	96	96	90	91	89	91	88	89	90	90	87	84	70	72	77	80	88	87	91	96	98	88.5
9.....	98	90	88	84	84	83	90	85	91	81	91	85	80	75	73	75	73	69	69	67	74	69	94	95	81.8
10.....	92	82	83	80	86	87	90	91	91	89	89	89	90	90	91	88	88	85	86	87	88	88	88	88	87.8
11.....	88	87	86	86	86	81	78	82	78	79	81	81	82	79	81	80	80	82	83	86	81	80	72	79	81.6
12.....	79	76	83	82	86	87	85	80	84	82	83	80	70	72	85	80	76	81	84	76	83	87	88	90	81.6
13.....	92	94	94	94	89	100	100	100	99	100	93	93	93	94	89	90	89	87	89	88	100	100	100	100	94.5
14.....	100	100	100	99	98	96	94	77	66	85	89	86	85	87	90	89	89	90	90	91	93	84	81	89	89.5
15.....	88	87	85	84	77	79	83	84	85	87	90	93	94	92	91	87	86	83	76	75	70	81	92	92	85.0
16.....	95	99	100	100	98	100	100	96	99	98	98	99	98	91	90	92	94	92	93	100	97	96	94	94	96.4
17.....	94	92	87	85	82	86	81	78	76	65	52	62	80	90	91	91	92	92	93	94	97	79	97	100	85.6
18.....	99	98	97	97	95	94	91	92	94	93	95	97	97	98	98	97	98	98	95	95	98	91	91	91	95.4
19.....	92	88	87	92	91	91	91	88	90	84	79	86	85	85	80	80	81	81	80	79	76	76	78	78	84.0
20.....	80	80	75	77	79	81	83	83	82	75	73	73	74	83	83	84	84	77	71	72	79	83	85	89	79.4
21.....	91	96	96	96	95	96	95	93	95	95	97	94	90	92	90	100	94	94	97	99	98	97	98	99	95.3
22.....	99	100	100	100	100	98	98	96	99	97	99	96	97	97	97	100	100	100	100	100	100	98	97	98	98.6
23.....	99	99	98	96	96	98	98	100	100	100	100	100	95	97	96	99	100	99	100	98	99	98	99	99	98.5
24.....	99	100	99	96	96	95	93	92	94	91	88	84	80	77	76	82	86	85	93	96	92	90	94	94	90.5
25.....	94	14	94	90	83	76	80	78	79	80	77	78	78	80	82	84	91	98	92	94	87	97	97	98	86.7
26.....	68	91	87	82	88	83	90	91	96	87	85	85	80	83	80	83	89	91	80	85	90	97	97	96	88.1
27.....	96	95	95	95	94	89	76	86	77	67	57	63	74	80	79	80	60	48	46	58	76	70	75	90	76.1
28.....	93	90	87	82	82	75	71	66	60	59	70	83	81	80	83	84	85	86	86	86	87	87	87	87	81.0
29.....	88	87	85	83	82	82	65	58	70	66	62	63	60	55	65	63	68	76	83	71	75	72	72	74	71.9
30.....	74	72	73	71	70	71	68	67	70	76	76	80	70	76	74	75	70	73	73	71	72	70	70	66	72.0
31.....	69	69	70	72	74	74	76	75	65	68	66	68	68	66	69	71	70	72	74	73	77	69	67	71	70.5
Mean....	87.0	86.0	85.4	84.4	85.0	84.7	84.1	83.2	83.5	82.2	81.7	82.0	80.8	81.4	81.8	82.3	81.5	81.1	80.9	81.6	83.6	83.7	85.4	87.2	83.3

TABLE 36.—Relative humidity—hourly values, Little America—Continued

JANUARY 1930

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	76	80	80	75	75	76	72	70	68	68	67	66	65	61	63	70	74	68	68	59	71	78	82	81	71.4
2.....	67	66	82	83	86	87	85	77	77	74	75	85	87	95	94	90	91	97	94	100	98	96	88	86	83.8
3.....	88	80	92	92	95	95	94	90	81	81	84	88	85	84	82	85	89	97	82	74	80	91	90	93	87.2
4.....	95	93	94	93	90	93	93	93	93	93	93	93	93	94	94	94	88	88	88	88	87	85	85	85	91.0
5.....	87	85	83	81	86	85	85	84	90	88	90	90	90	91	92	92	92	91	91	92	91	92	92	92	88.8
6.....	91	90	89	90	88	86	85	82	79	80	79	79	80	80	81	83	85	83	87	83	82	85	83	84	83.8
7.....	82	84	83	82	82	82	80	80	81	85	81	83	85	85	86	86	86	88	91	91	93	94	93	93	83.7
8.....	92	91	94	94	91	87	91	87	91	92	92	90	91	93	89	92	91	88	87	87	87	82	80	79	80.0
9.....	79	77	77	74	75	78	78	79	77	78	81	82	79	86	87	91	89	88	90	91	93	92	93	93	83.5
10.....	94	94	94	94	93	93	93	90	85	89	82	83	77	73	75	77	73	84	87	90	91	93	96	92	87.2
11.....	91	92	92	85	83	78	81	82	83	84	88	78	77	76	75	81	85	90	91	91	93	93	93	93	85.3
12.....	93	93	93	92	92	91	90	90	91	91	87	90	80	75	80	79	80	81	84	85	88	90	91	91	87.4
13.....	96	93	92	91	92	91	88	85	75	79	74	67	63	61	63	66	63	54	60	64	67	77	83	88	76.3
14.....	87	88	90	90	87	83	83	81	80	81	82	77	78	81	90	91	92	92	92	90	92	91	93	93	96.8
15.....	93	92	92	91	92	91	91	90	89	89	88	86	89	89	89	87	87	88	80	79	65	80	85	89	87.1
16.....	90	91	91	90	90	90	87	85	85	85	87	87	87	87	87	89	89	89	89	89	90	91	92	93	88.7
17.....	94	95	95	94	96	95	94	94	89	86	86	86	82	82	84	85	85	85	84	84	84	86	85	87	88.2
18.....	84	84	82	84	85	87	89	89	87	87	87	87	87	87	86	85	84	84	85	85	85	82	84	84	83.4
19.....	83	82	83	76	71	73	75	75	79	82	83	81	78	76	81	84	82	82	83	84	85	87	87	88	80.8
20.....	86	85	85	83	84	83	80	78	78	75	75	73	72	76	68	68	67	63	65	60	63	73	81	84	75.2
21.....	80	82	80	73	68	68	72	74	72	72	77	76	74	76	77	79	82	83	81	78	79	76	76	70	70.0
22.....	67	66	66	66	67	67	62	60	67	73	76	75	69	60	56	54	49	53	55	60	61	64	66	66	63.5
23.....	60	59	62	59	61	63	69	73	75	75	76	78	78	79	80	79	80	79	78	70	73	76	77	77	72.3
24.....	82	81	81	82	82	80	81	81	80	79	77	80	80	80	81	80	76	76	76	77	80	71	68	66	78.2
25.....	69	65	60	68	71	70	75	75	72	72	75	73	71	71	71	70	69	66	70	71	70	70	74	88	71.1
26.....	86	87	86	87	84	83	85	85	80	79	72	72	72	72	76	74	72	67	61	65	67	70	71	71	76.0
27.....	73	73	74	73	74	75	75	78	79	78	75	72	68	64	61	70	65	71	73	74	76	76	76	75	72.8
28.....	80	79	78	78	81	87	88	89	90	91	91	91	91	91	92	92	92	92	92	92	91	91	90	88.4	
29.....	89	89	88	87	85	84	84	83	82	80	79	77	75	75	79	80	79	79	81	82	81	82	82	82	81.8
30.....	82	82	82	80	80	80	78	78	82	80	80	80	76	76	74	74	75	76	77	75	72	73	74	79	77.7
31.....	81	84	80	84	79	75	70	67	64	65	68	72	73	71	76	79	81	82	90	93	96	96	96	96	70.9
Mean.....	83.7	83.3	83.8	82.9	82.7	82.5	82.4	81.4	80.7	81.0	80.6	80.5	79.1	78.9	79.6	80.8	80.4	80.8	80.9	80.8	81.6	83.4	84.0	84.8	81.7

FEBRUARY 1934

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
12.....																	89	89	89	91	92	92	91	90	
13.....	88	88	86	87	87	88	88	84	86	83	81	86	86	85	86	84	85	84	82	79	79	79	80	79	84.2
14.....	80	80	81	82	84	86	86	86	86	85	85	83	82	79	81	85	86	86	88	89	91	91	91	92	85.2
15.....	93	87	91	92	93	84	87	84	86	88	91	92	96	96	96	94	90	91	91	92	93	93	94	94	91.2
16.....	94	94	94	95	95	93	92	91	89	89	89	87	85	85	85	87	87	88	89	90	91	91	92	92	90.2
17.....	92	91	90	88	88	88	87	82	83	84	84	84	86	86	87	88	90	91	89	88	87	87	86	83	87.0
18.....	82	82	83	82	82	87	90	86	88	91	94	94	95	95	94	94	95	92	91	87	87	86	87	90	88.9
19.....	90	89	87	86	84	83	84	83	83	83	82	84	84	85	84	85	85	87	90	90	90	90	90	89	86.1
20.....	88	87	87	87	87	87	86	85	89	92	96	96	100	100	99	98	96	95	95	94	94	93	94	93	92.3
21.....	95	96	95	94	92	94	93	91	91	93	95	95	94	94	93	92	91	91	89	86	87	89	87	87	92.1
22.....	87	86	83	85	87	89	89	87	89	89	84	84	85	86	85	85	87	88	87	88	91	93	94	93	87.5
23.....	94	94	92	95	93	93	91	87	81	84	82	81	81	81	82	84	86	87	86	87	89	90	90	90	87.5
24.....	90	89	87	87	86	86	86	86	86	87	87	86	85	86	87	86	87	88	89	90	91	90	90	90	87.5
25.....	90	90	89	88	85	84	85	85	89	88	88	88	89	89	88	88	98	96	95	95	95	95	94	93	90.2
26.....	93	93	94	94	94	94	95	95	95	96	96	97	97	98	98	98	98	98	98	98	98	96	96	97	96.1
27.....	97	98	98	98	99	98	98	98	98	98	97	97	97	97	97	97	97	96	96	97	96	96	96	96	97.2
28.....	95	99	98	99	99	98	97	97	99	98	90	96	98	97	98	97	97	97	96	96	95	96	96	95	96.8
Mean.....	90.5	90.2	89.7	89.9	89.8	89.5	89.8	88.1	88.4	88.9	88.4	89.4	90.1	89.9	90.1	90.3	90.9	90.8	90.6	90.6	90.8	90.9	91.1	90.8	90.0

TABLE 26.—Relative humidity—hourly values, Little America—Continued

MARCH 1934

[Relative humidity in percent. 180th meridian time.]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1	94	94	94	93	94	93	90	89	88	88	88	83	82	82	82	81	81	83	86	88	86	87	88	89	97.6
2	89	90	90	91	92	88	88	86	86	85	83	82	89	84	83	85	85	89	90	92	93	94	95	96	88.5
3	97	99	100	99	99	99	100	100	100	100	95	94	94	90	89	90	89	90	90	89	90	89	89	89	94.2
4	89	89	89	88	87	86	85	83	82	87	87	87	87	86	81	81	81	81	82	83	81	80	79	79	84.2
5	81	82	81	84	84	89	90	88	86	81	80	78	73	73	83	86	88	89	89	89	89	88	88	87	84.5
6	87	83	81	87	88	86	86	87	86	86	84	85	85	87	88	89	88	88	88	88	87	86	85	85	86.3
7	84	84	84	84	84	84	84	82	83	84	85	86	88	89	92	95	96	95	96	100	100	100	100	100	90.0
8	100	100	100	100	100	100	100	100	100	100	98	98	92	91	91	90	89	89	88	88	87	87	86	86	93.2
9	98	98	98	98	99	99	99	99	99	99	98	98	92	91	91	90	89	89	88	88	87	87	86	86	93.2
10	86	86	85	84	83	83	83	83	81	80	79	79	78	78	78	78	78	78	77	74	74	73	73	74	79.4
11	75	77	78	78	78	79	78	78	78	78	78	78	78	78	78	78	77	75	73	70	70	69	71	71	75.8
12	71	75	77	78	77	78	79	81	80	80	80	80	80	81	81	81	80	79	79	79	81	81	82	82	79.3
13	81	81	82	82	82	82	82	82	82	82	82	82	82	82	82	81	81	81	79	79	78	78	77	77	80.8
14	77	77	76	75	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	77	77	78	78	76.3
15	78	78	78	78	78	79	79	79	79	79	79	79	79	78	78	78	78	78	78	78	77	77	77	77	78.1
16	77	78	78	78	78	78	78	78	77	77	78	77	76	76	75	75	75	75	75	75	76	76	76	75	76.5
17	75	75	75	75	75	75	75	75	75	75	75	75	76	77	77	77	77	76	76	76	76	76	76	76	75.7
18	76	76	76	76	77	77	77	77	77	77	78	78	78	78	78	78	78	78	78	78	78	78	78	78	77.5
19	78	78	78	77	77	77	77	77	78	78	78	78	78	78	78	78	77	77	77	76	76	76	76	76	77.2
20	76	76	76	76	76	76	76	76	76	75	75	75	76	77	77	77	76	76	76	75	75	75	75	75	75.8
21	75	75	75	75	75	75	75	75	75	74	75	75	75	75	75	75	75	75	75	74	74	74	74	74	74.7
22	74	74	74	74	74	74	74	74	73	73	73	73	74	74	74	74	74	74	74	74	74	73	73	73	73.8
23	73	73	73	73	73	73	73	73	73	73	73	73	74	74	74	74	74	74	74	74	75	75	75	75	73.8
24	73	75	76	76	76	76	78	80	79	78	78	78	78	79	79	78	77	76	76	75	75	75	75	75	76.8
25	75	75	75	75	75	75	74	73	73	73	73	73	73	73	73	73	73	73	73	73	74	74	74	74	73.7
26	74	74	75	75	76	76	76	77	77	78	80	82	83	84	83	82	81	80	78	77	76	76	76	76	78.0
27	76	76	76	76	76	76	76	76	76	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75.4
28																									
29																				82	82	82	82	82	
30	82	83	84	85	85	85	85	85	85	85	85	85	86	86	87	87	87	87	87	86	86	86	85	85	85.4
31	85	85	84	84	84	84	84	83	83	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	83.9
Mean	81.3	81.6	81.7	81.9	82.0	82.0	82.0	81.8	81.4	80.7	80.5	80.2	80.4	80.1	80.3	80.5	80.4	80.4	80.3	80.3	80.2	80.1	80.2	83.3	80.9

APRIL 1934

[Relative humidity in percent. 180th meridian time.]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1												88	88	88	88	88	88	88	88	88	88	88	89	89	88.2
2	89	90	90	90	91	91	91	89	85	85	84	83	83	82	81	82	82	82	82	82	82	82	83	84	85.2
3	84	84	85	87	85	88	89	91	91	94	96	97	98	99	100	100	100	100	100	100	100	100	100	100	94.5
4	100	99	98	97	97	97	97	95	95	95	95	95	95	95	94	92	91	91	91	91	91	91	91	91	94.4
5	91	91	91	91	91	90	90	89	89	89	89	89	89	89	89	89	89	89	89	88	88	88	88	88	89.3
6	88	88	88	88	88	88	88	88	88	89	89	89	89	89	90	90	90	90	90	90	90	90	90	90	89.1
7	90	90	90	90	90	90	90	90	90	90	90	90	91	91	91	91	92	92	92	92	92	92	92	92	90.8
8	90	90	90	90	90	90	90	90	89	89	89	89	92	91	90	89	89	89	88	88	86	86	86	86	88.8
9	85	85	85	85	85	85	85	85	84	84	84	84	87	87	87	88	88	88	87	87	87	87	87	87	86.0
10	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	87	87	87	87	87	87	87.8
11	87	87	87	86	86	85	85	85	85	85	85	85	85	85	85	85	85	86	87	87	87	87	87	86	85.8
12	86	86	86	86	86	86	86	85	85	85	85	84	84	84	83	83	83	83	83	83	83	83	83	83	84.3
13	82	82	82	82	82	82	81	81	81	81	81	81	81	82	82	82	83	84	85	85	85	85	85	85	82.6
14	85	84	84	84	84	83	83	83	82	82	82	83	83	83	83	83	83	83	83	83	83	83	83	84	83.2
15	84	84	84	85	85	85	85	85	85	85	86	87	87	87	86	86	86	86	86	86	85	84	85	85	85.4
16	85	85	85	85	85	85	85	84	84	84	84	86	86	86	86	86	86	86	86	86	86	85	85	85	85.3
17	85	85	85	85	85	85	84	84	83	83	83	82	82	81	81	81	81	81	81	81	81	81	81	81	82.6
18	81	81	81	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	79	79	79	79	79	79.9
19	79	79	79	79	79	79	79	80	80	80	80	80	82	82	82	82	82	83	84	84	85	85	85	85	81.4
20	86	86	86	86	86	86	86	87	87	87	88	88	88	89	89	89	89	89	88	88	88	88	88	88	87.5
21	88	88	88	88	88	88	88	88	88	88	88	88	88	87	87	87	87	87	87	86	86	86	86	86	87.3
22	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	85	84	83	83	83	83	84	85.2
23	84	85	87	87	87	87	88	88	88	89	89	89	89	90	91	91	92	93	93	93	93	93	93	93	89.7
24	93	93	93	93	93	93	93	93	93	92	92	92	93	93	93	93	93	93	93	92	92	92	92	92	92.8
25	92	93	92	92	92	92	92	91	91	91	91	92	92	91	91	91	91	91	91	91	91	91	91	91	91.4
26	90	90	90	90	90	90	88	88	88	88	88	88	87	86	86	86	86	86	86	85	85	85	85	85	87.3
27	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	87	88	88	88	88	88	85.7
28	88	88	88	88	88	88	88	89	89	90	90	90	90	90	90	90	90	90	89	88	88	88	88	88	88.9
29	88	88	89	89	89	89	89	89	90	90	90	90	89	89	89	89	88	88	88	86	86	86	86	86	88.3
30	87	88	88	88	88	87	86	81	76	79	80	80	80	80	81	82	82	81	81	81	80	80	80	80	82.3
Mean.....	87.1	87.2	87.2	87.2	87.2	87.2	87.1	86.8	86.4	86.7	87.0	87.1	87.2	87.1	87.1	87.2	87.2	87.2	87.2	86.8	86.8	86.7	86.9	87.0	87.0

TABLE 36.—Relative humidity—hourly values, Little America—Continued

MAY 1934

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
<i>Day</i>																									
1.....	80	80	80	80	80	80	79	79	79	80	80	80	81	81	81	81	81	81	81	80	80	80	80	80	80.2
2.....	80	80	79	79	79	79																			
3.....																									
4.....																									
5.....	80	80	80	80	80	80																			
6.....	80	80	80	80	80	80	80	80	80	80	80	80	81	81	81	81	81	81	81	80	80	80	80	80	
7.....	82	82	82	82	82	82	83	83	83	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
8.....	82	82	82	82	81	81	81	81	81	81	81	81	81	81	80	80	80	80	80	80	80	79	79	79	
9.....	79	79	79	79	79	79	80	80	80	80	80	80	80	81	81	81	81	80	80	80	80	80	80	80	
10.....	80	80	80																						
11.....																									
12.....	88	88	87	87	86	86	85	85	85	86	86	86	85	85	85	84	84	84	84	84	84	84	84	84	
13.....	84	84	84	85	86	86	86	86	86	86	86	86	85	85	85	85	85	85	85	85	85	85	85	85	
14.....	89	89	89	88	88	87	85	86	85	84	84	85	86	85	85	85	85	85	85	84	83	83	83	83	
15.....	83	83	83	83	83	83	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	
16.....	82	82	82	82	82	82	82	83	83	84	84	84	85	85	85	85	85	85	85	85	85	86	86	86	
17.....	85	85	85	85	85	85	85	86	86	86	86	86	86	86	86	86	86	86	87	87	87	87	87	87	
18.....	86	86	86	86	86	86	86	86	86	85	85	84	84	83	83	82	82	81	81						
19.....																									
20.....																									
21.....																									
22.....																									
23.....																									
24.....																									
25.....										94	94	94	94	94	94	94	93	92	92	92	92	93	94	95	
26.....	95	95	95	95	95	95	95	94	94	94	94	94	94	94	94	94	94	94	94	94	94	93	93	92	
27.....	90	90	91	91	91	90	91	91	92	92	92	92	91	91	91	91	91	91	91	91	91	91	90	91	
28.....	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	90	90	90	90	
29.....	90	90	90	90	90	90	90	90	90	90															
30.....																									
31.....																									
Mean.....	84.5	84.5	84.5	84.7	84.7	84.6	85.1	85.2	85.1	85.8	85.5	85.5	86.2	85.4	85.3	85.4	85.3	85.2	85.2	85.4	85.3	85.4	85.4	85.4	85.2

JUNE 1934

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
<i>Day</i>																									
1.....	92	92	87	89	89	89	89	90	92	92	93	93	93	93	93	93	93	93	93	93	93	93	93	93	
2.....	94	94	93	93	93	93	93	93	90	90	90	90	89	88	88	88	88	89	90	90	90	94	95	96	
3.....	96	96	97	98	98	98	98	98	98	98	98	98	97	97	97	97	97	97	97	98	99	99	99	99	
4.....	98	98	97	96	95	98	98	99	99	99	98	96	96	95	94	93	92	92	93	96	94	96	97	98	
5.....	99	99	99	99	99	99	99	99	97	95	95	92	91	91	90	90	89	89	89	90	89	81	83	83	
6.....	83	84	84	84	84	84	85	85	85	85	85	84	84	84	84	84	84	84	84	84	84	84	84	84	
7.....	84	84	84	84	84	84	84	83	83	83	83														
8.....																									
9.....	89	89	89	89	89	89	89	89	88	87	86	86	86	87	88	89	90	90	90	91	91	91	91	91	
10.....	92	93	93	93	93	93	93	92	93	93	94	94	95	96	97	97	97	97	97	96	95	95	95	95	
11.....	95	95	95	95	94	93	93	93	93	93	93	93	93	93	92	92	91	91	91	91	90	88	88	88	
12.....	87	87	87	87	87	87	86	86	86	86	86	86	86	85	85	85	85	85	85	85	84	84	84	84	
13.....																									
14.....																									
15.....	98	98	98	98	98	98	98	98	97	99	98	95	93	92	91	91	92	92	92	95	95	95	95	96	
16.....	96	97	100	99	98	98	98	98	95	94	94	94	95	94	94	94	94	93	93	93	92	92	91	91	
17.....	92	92	92	92	91	91	91	90	90	89	89	89	88	88	87	87	87	87							
18.....																									
19.....																									
20.....	90	90	90	90	89	89	90	90	90	91	91	91	92	92	92	91	91	91	91	91	90	90	90	90	
21.....	89	89	89	89	89	89	88	88	88	88	87	87	87	87											
22.....																									
23.....																									
24.....																									
25.....																									
26.....																									
27.....																									
28.....																									
29.....																									
30.....	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	86	86	86	86	85	85	85	85	85	
Mean.....	91.7	91.9	91.7	91.8	91.5	91.6	91.6	91.5	91.1	91.0	90.9	90.7	90.5	90.8	90.8	90.7	90.6	90.6	90.9	91.3	91.0	90.7	90.7	90.8	91.1

TABLE 36.—Relative humidity—hourly values, Little America—Continued

JULY 1934

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	22	24	Mean	
Day.....	85	85	85	85	85	85	85	84	84	84	86	86	86	86	85	85	85	85	85	85	85	85	85	85	85.0	
1.....	84	84	84	84	84	83	83	82	82	82	82	82	82	82	82	82	82	82	83	83	83	83	83	83	82.6	
2.....	83	83	83	83	83	83	83	83	82	82	82	82	82	82	82	82	82	82	83	83	83	83	83	83	82.6	
3.....	83	84	85	85	85	85	85	86	86	86	91	91	91	91	91	91	91	91	90	90	89	89	89	89	88.1	
4.....	89	89	89	89	90	90	91	91	91	91	91	91	91	91	91	91	91	91	90	90	90	90	88	87	90.1	
5.....	87	87	87	87	87	87	87	87	87	87	85	84	84	84	84	83	83	83	83	82	82	82	82	82	84.7	
6.....	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	81	81	81	81	81	81	81	81	81	81.6	
7.....	81	81	81	81	81	81	81	80	79	79	79	79	79	79	79	80	81	82	82	82	83	83	83	83	81.0	
8.....	83	83	83	83	84	86	85	84	84	84	84	84	86	87	87	87	86	86	86	86	85	85	85	85	84.9	
9.....	85	85	85	84	84	84	84	83	82	82	82	82	82	82	82	82	82	82	81	81	81	81	81	81	82.5	
10.....	81	81	81	81	81	81	81	81	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80.3	
11.....	80	80	80	80	80	80	80	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79.3	
12.....	79	79	79	79	79	78	78	78	78	78	78	78	79	78	78	78	78	78	78	78	78	78	78	78	78.3	
13.....	78	78	78	78	78	78	79	79	79	79	79	79	79	79	84	85	85	86	85	85	85	85	85	85	81.5	
14.....	85	85	85	85	85	85	85	85	85	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83.8	
15.....	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	82	82	82	82	82	82.8	
16.....	82	82	82	82	82	82	82	82	81	81	81	81	81	81	82	82	83	83	84	85	85	86	86	86	82.7	
17.....	86	85	85	85	84	84	83	82	82	82	82	82	82	82	81	81	81	81	81	81	80	79	79	79	82.0	
18.....	80	80	80	80	80	80	81	81	82	83	83	83	84	85	86	86	86	86	86	86	87	87	87	87	83.6	
19.....	87	87	87	86	86	85	85	84	84	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	84.0	
20.....	83	82	82	82	82	82	82	82	80	80	80	80	80	80	79	79	79	79	79	79	79	79	79	79	80.3	
21.....	79	79	79	80	80	81	81	81	81	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	81.9	
22.....	83	83	83	83	83	83	83	83	80	79	79	79	79	79	79	79	79	79	79	79	79	79	79	80	80.5	
23.....	80	80	80	81	81	81	81	81	82	83	83	84	84	84	84	85	86	86	87	87	87	87	87	87	83.7	
24.....	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	88	88	88	88	88	87.4	
25.....	90	90	90	90	90	91	91	91	92	92	92	92	92	92	92	92	93	93	93	94	94	94	95	95	92.1	
26.....	95	95	96	96	96	96	97	98	100	100	100	100	100	100	100	100	100	100	100	99	99	98	97	96	98.2	
27.....	96	96	95	95	95	94	94	91	87	87	87	85	85	83	83	83	83	83	83	83	83	82	82	82	87.4	
28.....	82	82	82	82	82	82	82	82	82	82	82	82	81	81	81	81	81	81	81	81	81	80	80	80	81.4	
29.....	80	80	80	80	80	80	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79.2	
30.....	79	79	79	79	79	79	79	79	79	79	79	79	79	80	80	80	80	80	80	81	82	82	82	82	79.8	
31.....	79	79	79	79	79	79	79	79	79	79	79	79	79	80	80	80	80	80	80	81	82	82	82	82	79.8	
Mean.....	83.8	83.7	83.8	83.8	83.8	83.8	83.8	83.5	83.3	83.3	83.4	83.4	83.4	83.6	83.7	83.6	83.8	83.7	83.7	83.9	83.8	83.7	83.7	83.7	83.7	83.7

AUGUST 1934

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day.....																									
1.....	82	82	82	82	82	82	83	83	83	82	82	82	81	81	81	81	81	81	81	81	81	81	81	81	81.6
2.....	81	82	82	82	82	82	82	83	83	83	84	84	83	84	85	87	88	89	90	90	90	90	90	90	85.2
3.....	90	90	90	90	89	89	89	89	89	89	89	88	88	87	87	86	86	86	86	84	84	84	84	84	87.
4.....	84	84	84	84	84	84	85	86	87	87	86	86	86	85	85	85	85	85	85	85	85	86	86	86	85.1
5.....	87	87	87	88	88	89	89	89	90	90	90	89	89	88	88	88	88	87	87	86	85	85	85	85	87.8
6.....	85	85	85	85	84	84	84	84	84	84	84	84	84	84	83	83	83	83	83	83	82	82	82	81	83.5
7.....	80	80	80	80	80	79	79	79	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78.5
8.....	78	78	78	78	78	78	79	80	81	81	82	82	82	82	82	82	82	82	82	82	82	81	81	81	80.6
9.....	81	82	82	83	84	84	84	85	85	86	86	86	86	86	85	85	85	84	84	84	84	84	84	84	84.3
10.....	84	84	84	84	84	84	84	84	83	83	83	83	83	82	82	82	82	82	83	83	82	82	82	82	83.0
11.....	82	81	81	81	85	84	84	84	83	83	83	83	83	83	81	81	81	80	80	80	80	80	80	80	81.8
12.....	80	80	80	80	80	80	80	80	79	79	79	79	78	78	77	77	77	77	77	77	77	77	77	77	78.4
13.....	77	77	77	77	77	78	78	78	78	78	78	78	79	79	79	80	80	80	80	80	80	80	80	80	78.7
14.....	80	80	80	80	80	80	80	80	79	80	80	80	81	82	82	83	83	83	83	82	82	82	82	82	81.1
15.....	82	82	82	81	81	81	81	81	81	81	81	82	82	82	82	83	83	83	83	83	83	85	85	85	82.3
16.....	86	86	86	86	86	86	86	86	87	87	87	87	87	86	86	86	86	86	86	86	85	85	85	85	86.0
17.....	86	86	86	85	85	85	84	84	83	83	83	83	83	82	82	82	82	82	82	81	81	81	81	81	83.0
18.....	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81.0
19.....	81	81	81	81	81	81	81	80	80	80	80	80	80	81	81	81	81	81	81	81	82	82	82	82	80.9
20.....	82	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81.0
21.....	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81.0
22.....	81	81	81	81	81	81	81	81	81	81	80	79	79	79	79	79	79	79	79	79	79	79	79	79	79.9
23.....	78	78	78	78	78	78	77	77	77	77	77	78	79	79	79	79	79	79	79	80	79	79	79	79	78.3
24.....	79	78	78	78	78	78	78	78	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77.4
25.....	77	77	77	77	77	77	77	77	77	78	78	78	78	78	79	79	79	79	78	78	78	77	77	77	77.6
26.....	77	78	80	81	82	82	81	81	81	81	80	80	80	80	80	79	79	79	79	79	78	78	78	78	79.5
27.....	78	78	78	78	78	78	78	78	78	77	77	77	77	76	76	76	76	76	77	79	81	79	82	84	78.3
28.....	85	85	85	85	85	85	85	85	85	85	84	84	84	84	84	84	83	83	83	83	80	80	80	80	83.6
29.....	80	80	80	80	80	80	80	80	80	80	80	81	81	80	79	79	79	79	79	79	79	79	79	78	79.6
30.....	78	78	78	78	78	78	77	77	76	76	76	76	76	76	76	76	76	76	75	75	75	75	75	75	76.3
31.....	75	75	75	75	75	75	76	76	76	77	77	77	77	77	77	77	77	77	78	79	79	79	79	79	76.8
Mean....	81.2	81.2	81.3	81.3	81.5	81.5	81.6	81.4	81.5	81.5	81.5	81.4	81.2	81.1	81.2	81.2	81.2	81.3	81.2	81.0	81.0	81.1	81.0	81.0	81.3

TABLE 36.—Relative humidity—hourly values, Little America—Continued

SEPTEMBER 1934

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	79	79	79	79	79	80	80	80	80	80										80	79	79	80	81	
2.....																									
3.....	81	81	81	81	80	80	80	79	79	78	78	78	78	78	78	78	78	78	78	77	78	78	78	77	78.8
4.....	77	77	77	77	77	77	77	77	77	77	77	77	80	85	85	86	87	87	88	88	88	88	88	88	81.8
5.....	88	88	88	88	88	87	87	87	85	86	86	86	86	84	84	84	84	84	83	83	83	83	82	82	85.1
6.....	82	82	82	82	82	82	82	82	82	82	82	81	81	77	77	77	77	76	76	76	76	76	76	77	79.4
7.....	77	77	77	77	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76.2
8.....	76	76	76	76	76	76	76	76	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75.3
9.....	75	75	75	75	75	75	75	76	77	78	79	80	80	82	82	82	82	82	82	81	79	79	79	79	78.4
10.....	79	79	78	78	78	78	78	77	77	77	77	77	77	77	77	77	77	77	76	76	75	75	75	75	76.9
11.....	75	75	75	76	76	76	77	78	78	78	78	77	77	77	77	76	76	76	76	76	76	76	76	76	76.4
12.....	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	75	75	75	75	75	75	75.7
13.....	75	75	75	75	75	74	74	74	74	74	74	74	75	75	75	75	74	74	74	74	74	74	74	74	74.3
14.....	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	75	75	75	75	76	76	74.3
15.....	77	78	78	79	79	79	79	80	80	80	80	82	82	82	83	82	82	82	82	81	81	81	81	81	80.5
16.....	81	82	82	81	81	81	80	80	80	80	80	80	80	79	79	78	78	77	76	76	76	76	76	76	78.8
17.....	76	76	76	76	76	76	76	75	75	75	75	75	75	75	75	75	75	75	75	75	75	74	74	74	75.2
18.....	75	75	75	75	75	75	76	77	77	77	77	78	78	78	78	78	77	77	78	78	78	78	78	78	77.0
19.....	78	78	78	79	79	79	79	80	80	80	80	81	81	81	81	81	80	80	79	79	79	79	79	79	76.6
20.....	79	80	80	80	80	80	80	80	81	81	80	79	78	78	77	76	75	76	81	82	83	83	84	84	79.9
21.....	85	85	85	86	86	86	86	88	90	89	89	89	91	92	92	91	89	88	87	86	86	85	85	84	87.0
22.....	84	84	84	84	84	83	83	82	81	81	80	80	80	80	80	80	80	81	82	83	84	84	84	84	82.2
23.....	85	85	85	85	85	85	85	86	86	86	86	86	86	86	86	87	87	88	89	89	89	89	89	89	86.8
24.....	89	89	87	85	84	83	82	81	81	81	81	80	80	80	80	80	80	79	79	79	78	78	78	77	81.2
25.....	77	77	77	77	77	77	77	79	79	79	79	79	79	79	79	79	80	81	81	81	81	82	81	81	79.1
26.....	81	81	81	81	81	80	80	80	80	80	80	80	80	80	80	80	80	79	79	79	79	79	79	79	79.9
27.....	79	79	80	80	80	80	79	79	79	79	79	79	79	79	79	80	80	79	78	79	81	83	86	85	80.1
28.....	85	84	84	83	83	81	81	81	82	82	81	80	79	79	79	80	80	80	80	79	79	79	79	79	80.8
29.....	79	79	79	79	79	79	80	80	80	80	79	79	79	79	79	78	78	77	77	77	77	76	76	76	78.4
30.....	76	76	77	78	78	79	80	82	85	87	87	85	82	83	83	85	86	88	88	88	85	83	81	80	82.6
Mean.....	79.3	79.4	79.3	79.4	79.3	79.1	79.1	79.4	79.6	79.6	79.5	79.4	79.4	79.5	79.5	79.5	79.4	79.4	79.5	79.4	79.3	79.2	79.3	79.2	79.4

OCTOBER 1934

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Day																										
1.....	80	80	80	80	80	80	80	80	80	80	80	80	80	78	78	78	78	78	78	78	78	78	78	78	78	79.1
2.....	78	78	78	78	78	78	78	78	77	76	76	76	76	77	77	77	77	77	78	78	78	78	78	78	78	77.4
3.....	78	78	78	78	79	79	79	79	80	80	80	80	80	80	80	80	81	81	82	82	82	82	82	82	82	80.6
4.....	83	83	83	83	83	84	85	85	86	86	86	86	86	87	87	87	87	88	88	88	88	88	88	88	88	86.5
5.....	88	88	88	88	87	87	87	88	88	88	89	89	89	89	90	91	91	91	92	92	93	94	95	95	95	90.1
6.....	95	94	94	94	91	88	87	86	84	83	82	81	81	80	80	80	80	80	81	82	83	83	84	84	84	84.9
7.....	84	84	84	84	84	84	84	84	84	84	85	85	85	86	87	87	87	87	87	86	86	86	86	86	86	83.5
8.....	86	86	86	87	87	88	89	90	90	90	90	91	92	93	93	93	93	93	93	93	92	92	92	90	90	90.2
9.....	90	90	90	90	90	90	90	90	89	89	89	88	87	85	84	83	82	84	85	85	86	85	85	85	85	87.1
10.....	85	85	85	85	85	84	84	84	84	84	84	84	84	84	84	84	84	84	85	86	87	87	87	87	87	84.8
11.....	87	86	86	86	85	85	85	84	84	84	84	84	83	83	81	81	81	81	81	81	82	82	82	81	81	83.2
12.....	81	81	81	81	81	80	79	78	78	77	77	77	78	78	78	78	78	78	79	79	80	80	81	81	81	79.1
13.....	81	80	80	80	80	80	80	80	80	80	80	80	80	81	82	83	83	84	84	84	84	84	84	85	85	81.7
14.....	85	86	86	86	86	86	86	86	85	85	85	84	83	84	85	86	86	86	86	86	86	87	87	86	86	85.6
15.....	86	86	86	86	86	86	86	86	86	85	85	85	86	85	84	83	84	84	84	85	85	85	85	85	85	85.1
16.....	85	85	85	85	85	84	84	83	83	83	83	83	84	83	82	81	82	83	83	83	83	84	84	84	84	83.5
17.....	84	84	84	83	83	83	83	83	82	82	82	81	81	81	81	81	81	82	82	82	81	81	81	81	81	82.0
18.....	81	81	81	81	81	81	81	81	81	81	81	81	81	81	82	82	81	81	81	80	79	79	78	78	78	80.5
19.....	78	78	78	78	78	78	78	79	79	79	79	80	80	80	80	80	80	80	80	79	79	79	79	78	78	78.9
20.....	78	78	78	78	78	79	79	79	81	81	81	81	81	81	81	81	81	81	81	81	81	78	78	78	78	79.7
21.....	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	77	77	77	77	78	78	78	78	78	77.8
22.....	78	78	78	78	78	78	78	78	78	78	78	78	78	78	77	77	77	77	77	77	77	77	77	77	77	77.5
23.....	77	77	77	77	77	77	75	73	72	71	70	70	73	74	74	75	76	77	77	77	78	78	78	78	78	78.3
24.....	78	78	78	78	78	78	78	79	80	80	80	80	80	81	81	81	81	81	82	82	82	82	82	82	82	80.1
25.....	82	82	82	81	81	81	81	80	79	78	78	78	76	76	76	75	75	75	75	75	76	76	76	76	76	78.0
26.....	76	76	76	76	76	77	76	76	75	75	75	75	75	75	73	72	71	71	71	73	74	75	75	75	75	74.5
27.....	75	76	75	73	73	72	72	72	73	73	73	73	73	73	72	72	72	71	71	72	72	73	73	74	72.8	
28.....	74	75	75	75	76	76	77	78	79	79	79	80	80	81	81	81	81	81	81	81	81	81	81	81	81	78.9
29.....	79	77										77	76	75	75	75	75	75	75	75	75	75	75	75	75	75.6
30.....	75	74	71	70	70	70	70	70	70	70	70	70	68	68	68	68	68	68	68	68	68	69	69	68	68	69.5
31.....	68	68	68	68	66	66	64	63	63	63	63	66	66	63	62	61	61	63	63	65	66	67	67	67	67	64.9
Mean.....	81.1	81.0	81.0	80.8	80.7	80.6	80.4	80.3	80.2	80.1	79.9	80.0	79.9	79.8	79.8	79.7	79.8	80.0	80.2	80.4	80.6	80.7	80.8	80.7	80.7	80.3

TABLE 36.—Relative humidity—hourly values, Little America—Continued

NOVEMBER 1934

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	67	67	67	67	68	68	69	69	69	69	69	71	70	69	69	69	68	69	69	70	71	71	71	71	69.0
2.....	70	68	68	68	66	66	67	66	65	65	65	65	65	65	66	70	70	69	70	70	70	70	70	71	67.7
3.....	75	76	76	77	77	76	76	79	81	82	82	83	83	83	84	84	84	84	84	84	84	83	83	83	81.0
4.....	83	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	83	83	83	83	83	82.3
5.....	83	83	83	83	83	83	83	83	83	84	83	82	82	82	82	82	82	81	81	81	85	84	83	83	82.5
6.....	82	82	82	82	82	82	82	82	81	81	81	82	82	82	83	83	82	82	81	81	80	79	79	78	81.4
7.....	78	78	78	78	78	79	79	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	79.5
8.....	80	80	80	80	80	80	80	80	80	80	81														
9.....																									
10.....																									
11.....	87	87	87	87	87	86	86	86	86	86	86	86	85	85	85	85	84	83	82	83	84	84	84	83	85.2
12.....	82	81	79	77	72	73	71	68	70	72	68	66	67	65	75	80	85	87	88	87	85	84	87	86	77.3
13.....	83	83	83	84	82	79	76	80	80	79	78	82	82	76	74	77	81	87	87	88	90	91	91	95	82.8
14.....	96	94	93	93	93	92	91	90	87	85	83	81	78	80	78	83	81	86	86	85	85	88	88	88	86.8
15.....	88	87	83	83	82	81	81	81	80	83	85	88	85	81	81	81	81	81	82	82	82	83	81	81	82.6
16.....	81	81	80	80	83	84	84	83	84	84	84	83	83	82	82	81	81	82	82	79	78	77	76	76	81.2
17.....	76	75	73	74	75	75	78	73	74	77	79	79	82	82	83	84	85	85	86	87	90	91	91	91	81.0
18.....	90	88	86	85	84	82	81	80	80	81	82	82	82	80	80	81	81	81	79	79	79	79	81	81	81.8
19.....	82	79	83	82	81	81	81	80	78	82	82	81	81	83	85	83	82	83	80	83	85	87	86	87	82.4
20.....	87	87	84	85	85	84	86	89	89	89	89	89	88	87	87	87	87	87	90	94	95	96	95	95	89.5
21.....	95	95	95	94	93	91	91	90	88	87	87	86	86	84	82	81	81	83	81	76	77	79	81	81	86.0
22.....	81	79	76	78	79	73	75	79	80	83	81	82	82	82	83	83	83	82	81	82	82	82	82	80	80.4
23.....	77	77	79	80	81	82	81	81	81	80	79	79	79	76	77	77	78	78	77	73	79	81	82	81	79.0
24.....	81	81	81	81	82	81	81	80	82	91	86	88	86	81	79	78	79	82	82	86	87	88	93	94	83.8
25.....	93	93	92	93	93	90	90	91	91	92	92	92	92	99	99	99	98	97	97	97	97	97	97	97	94.5
26.....	97	96	96	95	94	91	90	91	91	92	92	95	96	96	96	95	92	87	90	88	87	86	88	88	92.0
27.....	90	88	84	85	87	86	85	85	85	85	82	86	84	82	83	85	88	89	91	91	92	92	92	92	87.0
28.....	91	91	91	90	89	87	87	87	85	82	82	81	82	82	82	80	79	79	79	79	80	80	80	80	83.5
29.....	79	79	79	82	81	80	80	75	74	69	68	71	75	78	80	81	80	78	80	81	80	83	83	85	78.4
30.....	83	80	80	85	87	87	88	88	88	88	88	88	88	88	87	86	85	74	68	78	81	82	84	85	84.0
Mean.....	83.5	82.8	82.1	82.5	82.2	81.5	81.5	81.4	81.2	81.7	81.3	81.9	82.1	81.2	81.6	82.1	82.3	82.5	82.2	82.5	83.4	83.9	84.2	84.4	82.3

DECEMBER 1934

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	85	89	89	92	90	91	94	91	90	87	86	89	91	88	88	93	92	92	91	90	88	87	87	88	89.5
2.....	88	91	91	90	82	85	85	85	85	85	85	85	85	85	84	84	85	88	88	89	90	91	91	91	87.0
3.....	91	90	89	87	88	88	87	86	84	83	82	81	83	82	84	84	85	86	89	91	92	95	87	92	86.9
4.....	92	90	88	83	82	85	94	91	90	84	80	80	81	81	83	84	84	84	89	90	88	86	88	89	86.1
5.....	89	89	87	84	82	79	80	79	78	77	75	78	77	77	75	77	80	84	84	83	84	75	79	81	80.5
6.....	81	82	84	83	78	77	80	82	81	80	80	77	74	74	75	81	82	82	84	86	87	87	88	86	81.3
7.....	86	86	86	84	80	75	70	69	76	78	78	79	80	82	82	81	81	82	82	83	83	83	82	79	80.3
8.....	78	77	75	83	79	79	80	81	80	79	79	79	78	78	78	80	76	73	78	78	81	82	84	81	79.0
9.....	80	82	82	87	86	76	86	89	81	81	77	63	62	70	76	78	77	76	77	78	83	86	87	87	79.5
10.....	86	86	86	87	86	86	87	87	87	87	86	87	87	87	87	87	87	86	86	86	86	85	84	84	86.2
11.....	84	78	72	73	69	68	73	69	70	72	71	65	72	66	75	78	79	78	77	76	77	77	77	73	73.8
12.....	70	72	70	65	68	69	70	70	71	71	68	69	71	74	77	72	72	73	73	76	78	81	81	82	72.6
13.....	81	80	81	87	93	85	75	81	85	84	82	77	74	79	79	79	77	75	71	73	75	79	79	73	79.3
14.....	79	78	83	83	87	91	93	94	93	91	90	89	89	87	86	87	88	86	84	84	80	87	92	93	87.2
15.....	93	92	93	92	92	92	92	92	91	80	77	78	76	80	83	79	77	77	76	74	74	74	69	75	82.4
16.....	73	75	72	71	72	75	72	77	79	81	80	80	83	81	76	84	84	83	84	88	85	75	75	75	78.5
17.....	78	80	69	78	78	82	85	86	86	81	77	72	68	68	72	72	75	75	76	80	90	90	91	90	79.1
18.....	93	97	97	95	95	95	93	87	83	83	83	83	84	84	85	88	92	89	92	94	93	92	92	92	90.0
19.....	92	93	92	91	92	92	92	91	91	88	90	89	91	92	92	92	93	94	93	94	95	96	97	97	92.4
20.....	97	96	95	93	93	87	78	73	69	68	69	66	67	85	92	92	92	96	96	96	94	91	90	88	86.0
21.....	89	90	90	90	90	91	92	94	94	94	95	95	95	96	96	96	96	96	97	97	97	97	97	97	94.2
22.....	97	97	97	97	97	97	97	97	97	97	97	95	95	93	91	98	97	97	96	96	95	94	95	94	95.9
23.....	94	93	93	92	91	90	90	86	85	82	81	77	76	75	75	75	75	75	75	77	75	74	71	73	81.2
24.....	75	78	78	79	79	79	79	79	73	72	71	72	73	72	69	74	77	78	80	79	83	85	87	86	77.4
25.....	84	80	80	82	81	72	72	75	77	78	76	75	76	76	78	79	80	84	85	85	85	84	83	79.4	
26.....	83	83	81	79	79	82	82	82	83	83	83	83	86	85	85	86	87	87	90	89	89	82	79	76	83.5
27.....	74	73	73	69	73	77	79	77	73	72	70	73	71	76	77	79	80	79	79	79	80	82	83	84	76.3
28.....	84	83	83	82	82	80	80	76	76	77	75	74	75	76	76	75	74	75	70	69	74	77	76	66	76.5
29.....	63	59	59	68	71	71	71	73	68	69	72	71	72	75	73	65	72	72	64	72	75	73	72	72	69.7
30.....	70	71	73	80	83	84	82	83	83	82	81	79	77	72	70	70	58	62	74	73	75	74	80	80	75.7
31.....	81	81	80	77	75	69	74	74	75	80	84	79	69	67	73	64	72	70	79	78	80	83	85	83	76.3
Mean....	83.5	83.5	82.8	83.4	83.0	82.2	82.7	82.5	81.7	80.9	80.0	78.7	78.5	79.5	80.5	80.6	81.5	81.7	82.5	83.2	84.3	84.4	84.2	83.5	82.1

TABLE 36.—Relative humidity—hourly values, Little America—Continued

JANUARY 1935

[Relative humidity in percent. 180th meridian time]

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	23	Mean
Day																									
1.....	80	73	82	81	78	80	82	85	84	83	83	80	78	75	76	77	75	81	84	84	85	89	92	91	81.6
2.....	96	96	94	95	94	88	87	81	75	75	75	77	79	83	82	83	85	88	88	89	89	90	91	91	86.2
3.....	90	89	89	89	89	88	88	87	86	82	76	75	79	80	80	80	80	77	77	79	79	78	78	76	82.1
4.....	74	75	74	74	73	73	74	75	75	75	75	75	74	73	73	74	73	73	77	77	80	70	73	76	74.4
5.....	74	77	74	71	73	74	76	76	79	79	82	82	82	82	81	81	75	72	70	80	81	80	79	78	78.0
6.....	79	79	79	79	80	81	82	83	84	86	85	85	85	86	85	85	85	86	86	86	87	87	89	89	83.9
7.....	88	88	87	87	88	86	85	85	85	85	85	85	86	86	86	86	87	88	87	87	86	90	90	88	86.7
8.....	88	88	88	88	87	87	86	86	86	86	86	85	85	85	85	85	85	87	88	89	91	92	91	91	87.3
9.....	91	91	91	91	91	91	90	88	87	85	85	85	85	84	83	83	82	83	84	79	82	85	98	96	87.5
10.....	96	96	96	96	96	97	97	97	96	82	74	68	70	73	73	73	80	83	84	85	87	87	88	91	86.0
11.....	91	93	89	88	86	89	89	85	84	84	85	86	85	86	87	85	85	83	85	92	89	85	86	89	86.9
12.....	91	92	92	90	90	93	92	92	91	91	91	90	90	90	86	88	91	88	94	91	85	85	89	88	90.0
13.....	90	90	91	90	88	87	84	84	82	78	70	82	84	84	84	84	86	85	85	85	88	90	90	90	85.5
14.....	89	90	89	89	87	87	86	85	84	84	81	81	78	78	80	82	83	86	85	87	88	89	90	90	83.3
15.....	91	92	92	92	92	92	92	91	89	88	86	79	78	77	82	84	85	85	88	88	88	90	91	93	87.7
16.....	89	89	91	90	90	89	90	89	87	87	85	85	83	82	83	83	82	82	85	88	88	88	88	90	86.8
17.....	89	87	90	89	86	85	85	83	81	79	79	73	70	68	71	69	73	79	80	83	87	88	88	88	81.2
18.....	88	85	86	84	84	81	78	78	76	78	79	78	82	83	83	83	85	87	88	90	90	90	90	90	84.0
19.....	90	90	90	90	90	90	90	89	89	89	89	89	83	76	70	86	88	89	89	89	89	89	89	89	87.5
20.....	89	90	90	89	88	88	88	87	87	87	87	86	86	84	85	85	85	86	87	87	85	83	82	77	86.2
21.....	84	87	81	80	79	83	82	83	87	83	79	78	75	80	80	80	76	77	76	75	73	83	88	86	80.6
22.....	88	90	88	88	87	87	87	86	86	83	69	66	70	80	85	87	87	77	71	76	74	76	77	75	80.8
23.....	76	79	80	80	81	82	91	92	95	95	95	96	96	95	95	95	95	95	95	97	97	97	96	96	91.3
24.....	96	96	95	95	95	94	93	92	92	92	92	92	92	91	84	84	83	83	83	83	82	85	84	84	88.9
25.....	85	85	84	85	84	83	81	81	79	74	78	79	78	82	83	85	84	85	84	82	84	91	92	92	83.4
26.....	93	93	93	94	94	95	95	95	95	95	95	95	95	95	95	94	94	94	94	94	93	91	86	86	93.5
27.....	87	88	88	85	87	90	88	88	89	88	88	86	86	86	86	86	87	87	87	87	88	90	88	89	87.6
28.....	89	89	88	87	87	87	86	85	85	84	83	84	85	85	86	90	90	91	91	91	92	92	92	92	88.0
29.....	92	92	92	92	92	92	92	92	93	93	93	93	93	93	91	89	89	89	90	89	89	89	89	89	91.1
30.....	90	90	90	89	89	89	89	88	88	88	87	86	86	85	87	86	85	84	86	85	86	86	87	88	87.2
31.....	88	88	87	88	88	87	87	86	86	86	86	85	86	85	85	85	87	88	87	86	86	87	88	88	86.6
Mean.....	87.8	88.0	87.7	87.3	86.9	86.9	86.9	86.3	85.9	84.6	83.3	82.8	82.6	82.6	83.1	83.9	84.3	84.7	84.8	85.6	86.3	87.3	87.6	87.6	85.6

TABLE 37.—Cloudiness—hourly values, Little America

JANUARY 1929

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....								9	9	10	10	10	10	10	9	9	8	9	8	8					9.2
2.....								10	10	9	9	9	9	9	9	9	9	9	9	9					9.2
3.....								8						2						9					6.3
4.....								8						4						2					4.7
5.....								7						1						7					5.0
6.....								9	8	8	10	10	10	10	10	9	9	9	9	9					9.2
7.....								10						10						9					9.7
8.....								9	9	9	10	10	10	10	10	10	9	9	9	9					9.5
9.....								10	10	10	10	10	10	10	7	7	7	8	9	9					9.0
10.....								10	10	9	9	9	9	9	9	9	9	9	9	9					9.2
11.....								6	5	2	1	1	2	3	3	2	1	1	2	2					2.4
12.....								5	5	7	9	9	10	10	10	10	10	10	10	10					8.8
13.....								10	10	10	10	10	9	9	8	8	7	6	4	4					8.1
14.....								5						9						9					7.7
15.....								9						3						2					4.7
16.....								1						2						1					1.3
17.....								3						1						1					1.7
18.....								5						8						9					7.3
19.....								1	3	5	8	9	9	8	8	9	8	8	9	9					7.2
20.....														9						10					8.7
21.....								10	10	9	9	9	9	9	9	9	9	9	9	9					9.2
22.....								8	8	7	6	6	6	4	7	9	8	9	9	9					7.4
23.....								10	10	9	9	10	10	10	10	10	10	10	10	10					9.8
24.....								6	6	5	6	7	10	2	1	1	2	1	2	2					3.9
25.....								10	10	10	10	10	10	10	10	10	9	10	9	9					9.8
26.....								10						9						8					9.0
27.....								1						1						F					0.7
28.....								7						10	10	10	10	10	10	10					9.6
29.....								10	10	10	10	10	10	9						4					9.1
30.....								3						8						2					4.3
31.....								F	F	F	F	F	F	F	F	F	F	F	F	F					F
Mean.....								7.0	7.8	7.6	8.0	8.2	8.4	6.7	7.6	7.7	7.4	7.5	7.5	6.5					7.4

TABLE 37.—Cloudiness—hourly values, Little America—Continued

FEBRUARY 1929

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.								10						9						9					9.3
2.								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
3.								10	10	9	9	9	9	9	9	9	9	9	9	9					9.2
4.								9	9					4					6	5					7.6
5.								6						4						1					3.7
6.								7					6	5			6			5					5.8
7.								9	10	10	10	10	10	10	10	10	10	10	10	10					9.9
8.								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
9.								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
10.								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
11.								10	10	10	10	10	10	10	10	10	9	9	9	9					9.7
12.								9	9	9	9	10	10	10	10	10	10	10	10	10					9.7
13.								10	10	9	4	2	3	9	10	10	9	10	9	9					8.0
14.								9	9	9	8	8	7	8	8	9	7	6	6	6					7.7
15.								9	9	9	9	10	10	10	10	10	10	10	10	10					9.7
16.								10	10	9	9	8	9	8	8	9	9	9	9	9					8.9
17.								1	5	6	3	7	3	6	5	5	6	5	5	4					4.7
18.								F	F	F	F	F	F	F	F	F	F	1	1	2					0.3
19.								0	0	0	0	0	0	0	0	0	0	0	0	0					0.0
20.								5	6	6	8	9	8	9	8	7	7	8	7	7					7.3
21.								F	F	F	1	F	F	F	F	F	1	1	1	2					0.4
22.								1	4	6	7	8	8	7	6	4	1	F	0	0					4.0
23.								6	6	5	5	5	8	9	9	9	9	9	9	9					7.5
24.								9	9	9	9	9	9	9	9	9	9	10	10	10					9.3
25.								9	9	9	9	10	9	9	9	9	9	10	10	10					9.3
26.								9	9	9	8	8	9	8	8	9	9	9	9	9					8.7
27.								9	9	8	9	9	8	9	9	8	8	8	9	9					8.6
28.								9	9	9	9	8	8	8	9	9	8	9	9	9					8.7
Mean								7.4	7.7	7.5	7.3	7.5	7.3	7.7	7.8	7.7	7.5	7.6	7.5	7.2					7.5

MARCH 1929

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.								10	10	10	10	10	10	9	9	9	9	9	9	9					9.5
2.								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
3.								10	10	10	10	10	9	9	9	8	8	8	7	7					8.8
4.								9	9	9	9	9	9	9	10	10	10	10	10	10					9.5
5.								8	9	10	10	10	10	10	10	10	10	10	10	10					9.8
6.								10	10	10	10	10	10	10	9	9	10	10	10	10					9.8
7.								9	9	8	8	8	8	8	8	8	8	8	9	9					8.3
8.								10	10	10	10	8	6	3	2	2	2	2	2	1					5.2
9.								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
10.								10	8	5	5	2	1	3	5	8	8	9	9	8					6.2
11.								9	9	9	9	9	9	9	9	8	7	2	2	8					7.6
12.								10	10	10	10	10	10	10	10	10	10	10	9	9					9.8
13.								9	9	9	9	8	8	8	8	8	8	8	8	8					8.3
14.								7	9	9	9	9	9	9	9	9	10	10	10	10					9.2
15.								9	10	10	10	10	9	9	9	10	10	10	9	10					9.6
16.								10	10	10	10	10	10	10	10	10	10	9	8	9					9.7
17.								9	9	7	5	2	1	1	2	4	6	7	7	9					5.3
18.								9	8	8	8	8	8	7	6	6	4	4	3	3					6.3
19.								9	9	9	10	9	10	10	10	10	10	10	10	10					9.7
20.								10	10	10	10	10	10	10	10	10	9	10	10	9					9.8
21.								10	10	10	10	10	10	10	10	10	10	9	9	8					9.7
22.								8	8	8	8	7	7	7	6	5	4	4	4	4					6.2
23.								0	F	F	F	F	F	F	F	F	1	3	4	3					0.8
24.								9	9	8	9	10	10	10	10	10	10	10	10	10					9.6
25.								10	10	10	10	9	9	9	9	9	9	9	9	9					9.3
26.								10	9	7	5	3	3	3	7	9	10	10	10	10					7.4
27.								10	10	9	8	3	2	4	5	6	6	7	8	9					7.5
28.								1	3	5	8	8	9	10	10	10	10	10	10	10					8.0
29.								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
30.								10	10	10	10	10	10	10	9	9	6	4	2	2					7.8
31.								9	9	8	8	8	6	5	3	F	F	F	0	F					4.3
Mean								8.8	8.9	8.6	8.6	8.1	7.8	7.8	7.9	8.3	7.9	7.8	7.7	7.9					8.2

TABLE 37.—Cloudiness—hourly values, Little America—Continued

APRIL 1929

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									F
1							0	0	0	F	F	F	F	F	F	F	F	F	F	0	0	0			1.0
2							F	F	1	1	1	1	1	1	1	1	1	F	F	F	F				1.2
3							3																		1.4
4								6	4	2	1	1	1	F	F	F	F	F	0	0	0	0	0	0	8.0
5	1	5	2	1	3	3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6.5
6	8	6	8	9	10	10	10	10	9	8	9	7	6	8	8	7	6	4	3	2	2	2	2	2	3.2
7	1	1	1	1	1	1	2	3	7	9	8	6	3	2	8	10	5	5	3	F	F	F	0	0	5.3
8	0	0	0	0	0	0	0	F	2	2	5	8	7	9	10	10	10	10	10	10	10	10	10	10	9.3
9	10	9	8	8	5	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	3.2
10	10	10	10	10	10	10	5	3	3	3	1	1	F	F	F	F	F	F	F	0	0	0	1	1	0.5
11	2	2	3	1	1	1	F	F	F	F	F	F	F	0	0	0	0	0	1	1	F	F	F	1	7.8
12	2	2	1	4	7	8	10	10	9	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.5
13	10	8	5	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
14	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.7
15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8.0
16	9	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1.9
17	3	2	F	3	7	9	9	8	8	8	8	8	8	8	8	7	7	6	5	5	3	9	2	0	5.5
18	0	0	0	2	6	8	8	8	8	8	8	8	8	8	8	7	7	6	5	F	1	6	10	10	3.0
19	0	0	1	1	1	5	7	7	7	6	3	2	1	1	1	1	1	F	F	5	3	1	1	F	7.2
20	10	10	10	10	10	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6.3
21	1	1	2	2	0	0	1	3	4	4	7	8	9	10	10	10	10	10	10	10	10	10	10	10	8.0
22	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8.6
23	2	8	9	10	10	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	5.2
24	10	10	10	10	10	10	10	5	4	3	3	1	2	5	7	6	6	6	5	4	1	0	0	0	4.7
25	0	0	0	0	0	0	1	2	2	3	4	3	3	5	9	10	10	10	10	10	10	10	10	10	10.0
26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	3.7
27	10	10	10	10	10	10	10	9	4	5	2	2	F	F	0	0	0	0	0	0	0	0	0	1	7.4
28	3	4	6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6.2
29	4	5	5	7	7	7	7	7	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	4.5
30	3	3	3	3	4	3	2	F	F	F	F	1	2	4	6	7	8	8	8	8	8	8	8	8	
Mean	5.4	5.5	5.4	6.1	6.6	6.8	6.3	6.1	6.2	6.0	6.0	6.0	5.9	6.1	6.4	6.5	6.1	5.8	5.3	4.4	4.4	5.0	5.0	5.1	5.7

MAY 1929

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									10.0
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8.0
3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0.4
4	1	2	1	1	0	0	0	1	1	F	F	F	F	0	0	0	0	0	0	0	0	0	2	2	0.2
5	0	0	0	0	0	0	0	0	0	F	F	F	0	0	0	0	0	0	0	0	0	0	0	0	1.5
6	2	3	2	2	1	0	1	3	2	1	1	1	2	3	3	2	1	2	2	2	1	0	0	0	1.4
7	0	1	0	0	0	0	1	3	3	4	2	3	3	3	3	2	2	2	1	0	0	0	0	0	6.6
8	0	0	0	0	0	0	1	3	4	3	9	10	10	10	10	10	10	10	10	10	10	10	10	10	8.5
9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.0
10	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8.4
11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	4.4
12	7	2	9	5	7	6	3	2	2	2	2	2	2	1	8	5	6	7	8	8	4	4	2	2	2.2
13	1	1	0	2	0	2	4	4	6	6	7	6	4	0	0	0	0	0	0	0	0	0	0	0	0.5
14	1	2	3	3	2	2	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1
15	0	0	0	0	0	0	0	0	0	F	F	1	F	F	F	F	F	F	F	F	1	F	0	0	4.2
16	F	0	5	1	1	0	0	1	2	3	7	7	8	9	8	7	2	F	F	F	1	F	F	F	8.0
17	9	10	10	9	1	1	3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	3.5
18	0	1	1	1	1	1	1	1	1	F	F	F	F	F	1	2	6	10	10	10	10	10	10	10	9.5
19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6.5
20	6	8	8	4	2	2	4	7	6	6	6	6	4	2	3	6	8	10	10	10	10	10	10	10	7.4
21	9	9	9	9	7	2	2	2	6	9	8	6	9	9	9	9	9	9	9	9	7	8	1	10	9.6
22	10	10	10	10	10	10	10	8	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
23	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8.9
24	4	8	9	8	7	6	10	10	3	9	9	9	8	1	5	9	10	10	10	10	10	10	2	1	8.1
25	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	6.3
26	2	3	1	10	4	3	4	10	10	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	6.1
27	1	3	8	8	4	2	1	F	F	F	F	F	F	10	10	10	10	10	10	10	10	10	10	10	8.3
28	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8.1
29	10	10	10	10	10	10	7	3	5	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	4.7
30	10	10	10	10	3	4	1	1	3	3	3	3	3	7	9	9	9	1	F	1	5	4	4	1	7.8
31	1	1	2	2	2	3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Mean	5.5	5.9	6.4	6.3	5.2	4.9	5.1	5.7	6.2	6.4	6.5	6.3	6.5	6.2	6.6	6.6	6.5	6.7	6.5	6.0	5.5	5.3	5.3	5.3	6.0

TABLE 37.—Cloudiness—hourly values, Little America—Continued

JUNE 1929

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	3	8	6	8	7	10	8	10	10	10	10	10	9	F	F	2	9	10	8	3	6	8	8	4	7.0
2.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	3	3	2	9.1
3.....	0	0	0	1	0	0	0	0	0	0	0	F	F	F	F	F	F	F	F	1	F	0	0	0	.1
4.....	0	0	0	0	0	0	F	1	2	2	1	1	1	1	1	1	1	1	F	0	1	1	0	0	.6
5.....	0	0	0	0	0	0	0	0	0	F	F	F	F	1	F	F	2	1	F	0	2	3	6	6	.9
6.....	2	9	10	10	10	10	10	10	10	9	9	7	5	4	2	1	1	1	1	1	3	3	2	3	5.5
7.....	3	2	1	1	1	1	1	3	4	9	9	9	9	9	9	9	9	9	9	10	7	6	0	0	5.4
8.....	9	10	10	10	0	0	0	2	1	1	1	1	1	3	3	2	2	1	2	4	3	2	1	2	3.0
9.....	3	3	5	6	5	8	9	9	9	9	10	10	10	10	10	9	5	2	2	1	10	10	10	10	7.3
10.....	10	10	10	6	5	3	3	4	9	10	10	9	8	7	7	7	7	6	6	5	4	3	3	3	6.5
11.....	1	1	1	8	10	10	9	10	5	9	7	9	9	10	9	10	9	9	9	9	9	9	5	8	7.7
12.....	6	1	1	4	2	2	4	2	2	2	2	2	2	2	1	1	1	F	F	0	1	1	1	1	1.7
13.....	1	1	1	1	1	1	2	5	4	3	5	5	7	8	8	8	8	9	9	9	10	10	10	10	5.7
14.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
15.....	7	10	10	10	9	8	9	10	10	10	10	10	10	7	5	9	8	6	4	4	2	1	0	1	7.1
16.....	1	1	1	1	1	1	1	0	0	F	F	F	1	1	1	2	3	5	6	2	8	8	8	7	2.5
17.....	10	10	4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.7
18.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
19.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
20.....	10	10	8	8	9	9	6	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	8	10	9.3
21.....	10	8	7	7	7	5	5	9	10	10	10	10	10	10	10	9	9	7	6	5	4	1	2	1	7.2
22.....	2	2	9	6	9	2	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	8.2
23.....	10	10	10	10	10	8	8	10	10	9	9	9	9	9	9	9	9	9	9	9	9	8	10	10	9.2
24.....	9	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	5	10	10	9.7
25.....	8	8	10	8	10	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.7
26.....	10	3	1	4	6	3	0	8	10	10	10	10	9	10	10	10	10	8	9	9	8	4	4	1	7.0
27.....	0	3	0	2	2	10	8	10	10	3	3	7	9	10	10	10	10	10	10	10	9	10	3	5	6.8
28.....	8	9	10	10	10	10	10	10	10	10	10	8	9	9	10	10	9	9	8	7	4	3	0	8.4	
29.....	4	6	6	6	4	5	7	7	10	10	7	3	1	1	1	1	2	2	1	F	F	0	0	0	3.5
30.....	0	0	0	0	0	1	1	4	4	4	4	3	3	6	7	9	9	9	9	10	10	10	9	F	4.7
Mean.....	5.6	5.8	5.7	6.2	5.9	5.8	6.0	7.1	7.3	7.3	7.2	7.1	7.1	6.9	6.7	7.0	7.0	6.7	6.6	6.3	6.7	6.0	5.5	5.1	6.4

JULY 1929

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	0	0	0	0	0	0	0	F	F	F	F	F	F	F	F	0	0	0	0	0	0	0	0	0	F
2.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.....	0	0	0	0	0	0	F	2	4	9	7	5	2	1	F	F	F	F	F	0	0	0	0	0	1.2
4.....	0	0	0	0	0	0	F	F	F	1	1	1	1	2	2	1	1	F	F	F	F	0	0	0	.4
5.....	0	0	0	0	0	0	0	1	1	1	F	F	F	1	6	9	10	8	8	10	10	10	10	10	4.4
6.....	10	10	10	10	8	6	3	7	9	10	10	10	4	F	F	3	8	5	3	2	3	2	1	1	5.6
7.....	1	1	1	1	9	3	3	1	2	2	4	2	1	2	1	F	1	2	2	1	3	2	3	4	2.2
8.....	9	3	1	0	0	0	0	0	0	F	F	F	F	F	F	F	F	F	F	F	F	1	1	1	.7
9.....	1	1	1	1	1	0	0	0	0	0	0	0	0	0	F	F	F	F	F	1	1	F	F	1	.3
10.....	1	2	2	2	2	2	2	2	1	1	1	F	F	0	0	F	F	F	F	F	F	1	1	2	.9
11.....	2	2	2	1	0	0	1	2	2	1	2	1	1	0	0	0	0	F	F	F	1	1	1	1	.9
12.....	1	1	1	1	1	0	0	4	3	3	2	2	2	2	1	1	1	1	1	3	F	0	0	0	1.3
13.....	0	0	0	0	0	0	F	F	F	F	F	1	2	4	3	3	3	6	5	4	7	7	2	9	2.3
14.....	10	10	10	8	6	4	1	2	1	1	1	F	F	F	F	2	3	6	8	9	3	F	0	0	3.5
15.....	2	3	5	3	3	3	3	4	3	3	4	8	8	6	4	2	2	2	2	2	1	F	0	0	3.0
16.....	0	0	0	0	3	3	4	6	3	3	4	5	4	4	4	4	4	4	4	3	4	4	4	4	3.2
17.....	4	4	4	4	4	4	2	F	F	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.1
18.....	0	0	0	0	0	0	0	8	10	10	10	10	10	10	10	10	10	7	F	1	2	2	4	3	4.0
19.....	4	8	4	3	2	1	1	10	10	10	10	10	10	10	10	9	9	3	9	10	3	F	F	0	6.1
20.....	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	9	9.4
21.....	4	9	3	F	F	4	7	9	9	9	8	8	9	9	10	10	9	9	9	8	7	7	7	7	7.2
22.....	4	3	F	3	F	4	F	5	8	8	8	9	10	10	10	10	10	10	10	10	10	10	10	10	7.2
23.....	10	10	10	10	10	9	9	8	9	9	8	7	4	5	10	10	4	8	6	2	F	F	F	F	7.0
24.....	F	F	F	F	F	F	F	1	1	2	3	3	3	4	2	3	4	8	10	10	10	10	10	10	3.9
25.....	10	10	10	7	F	1	1	3	3	5	6	6	9	10	10	10	10	10	10	10	9	8	8	0	6.9
26.....	0	0	0	0	0	0	F	3	3	3	2	2	2	2	2	1	F	F	F	0	0	0	0	0	.9
27.....	0	0	0	0	0	0	F	7	5	4	2	1	F	F	F	F	0	0	0	0	0	0	0	0	.8
28.....	0	0	0	0	0	0	F	F	F	F	F	F	F	F	F	0	0	0	0	0	0	0	0	0	F
29.....	0	0	0	0	0	1	2	10	10	10	10	10	10	10	10	10	9	8	8	2	3	5	7	8	6.0
30.....	10	10	10	10	10	10	10	10	10	10	10	5	2	2	2	2	4	10	10	10	10	10	10	10	8.2
31.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
Mean.....	3.0	3.5	3.0	2.7	2.5	2.4	2.2	4.0	4.1	4.4	4.3	4.1	3.8	3.8	3.7	3.9	4.1	4.0	4.2	4.0	3.5	3.2	3.1	3.2	3.5

TABLE 37.—Cloudiness—hourly values, Little America—Continued

AUGUST 1929

AUGUST 1925																										
Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Day	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10.0	
1.....	10	10	10	10	10	3	1	4	6	7	7	7	8	9	8	8	8	8	10	10	10	10	10	10	10	8.0
2.....	9	8	10	10	10	9	9	10	9	10	10	10	10	7	5	4	2	1	1	2	F	F	0	0	5.7	
3.....	7	4	8	10	9	8	9	10	9	9	9	10	10	10	9	9	9	9	10	10	10	10	10	10	6.8	
4.....	0	0	0	0	0	0	1	9	9	9	9	10	10	10	10	10	10	9	8	4	1	F	5	8	8.5	
5.....	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	9	10	3	8	10	9	3	9	10	5.9	
6.....	2	0	0	0	0	0	0	3	10	10	10	10	10	8	2	F	F	F	F	0	0	0	0	0	5.1	
7.....	8	10	8	10	10	7	8	8	9	9	9	8	8	9	2	F	F	F	F	0	0	0	0	0	1.7	
8.....	0	0	0	0	0	0	F	3	5	6	6	6	6	6	4	2	1	F	F	0	0	0	0	0	3.1	
9.....	1	1	2	2	2	6	7	8	8	7	6	6	6	6	4	2	1	F	F	0	0	0	0	0	3.9	
10.....	0	0	0	0	0	0	0	0	F	F	F	F	F	F	5	9	10	10	10	10	10	10	10	10	8.5	
11.....	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	7	4	3	1	F	F	F	F	5.0	
12.....	F	3	7	7	6	8	9	10	10	9	9	9	9	9	7	4	3	1	F	F	F	3	F	1	F	2.8
13.....	2	3	1	1	4	9	9	9	8	7	5	4	2	F	F	F	F	F	F	5	4	7	8	5	4	5.2
14.....	F	F	F	F	2	4	9	10	10	10	9	6	2	8	6	4	5	7	5	4	7	8	5	4	6.9	
15.....	5	4	3	F	F	9	10	10	10	8	8	7	6	2	3	6	8	9	9	9	10	10	10	10	10	10.0
16.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.5
17.....	10	10	10	10	10	10	10	9	9	8	7	7	7	6	6	5	3	2	2	4	6	8	7	7	10	7.2
18.....	10	10	10	10	10	10	10	9	9	8	7	7	7	6	5	9	9	8	9	9	9	9	9	9	9	9.5
19.....	10	10	9	10	10	10	10	10	10	10	10	10	10	10	9	8	10	10	8	6	2	3	4	3	3	6.1
20.....	9	9	8	7	5	3	5	7	7	7	6	6	6	5	8	10	10	8	6	2	3	4	3	3	8.0	
21.....	3	7	3	2	2	4	6	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	6.7
22.....	10	10	10	3	F	4	7	10	9	7	4	4	4	3	3	2	2	1	F	F	0	0	0	0	0	3.6
23.....	8	8	6	6	7	8	8	8	6	4	4	3	3	3	3	2	2	1	F	0	0	0	0	0	0	.2
24.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	F	0	0	0	0	0	0	0	0	.1
25.....	0	0	0	0	0	0	0	0	F	F	F	F	F	1	1	1	F	F	0	0	0	0	0	0	0	.1
26.....	0	0	0	0	0	0	0	0	F	F	F	F	1	1	1	8	6	4	4	4	2	0	0	0	0	3.1
27.....	0	0	0	0	0	0	F	2	4	5	7	8	8	9	8	6	4	4	4	4	2	0	0	0	0	7.7
28.....	0	0	1	4	9	10	10	7	8	8	9	5	8	10	10	10	10	10	9	8	10	10	10	10	1	9.6
29.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1	9.6
30.....	2	2	3	5	8	10	10	9	9	9	9	9	9	9	10	10	10	10	7	2	0	0	10	0	6.8	
31.....	5	3	F	0	0	0	0	1	1	1	1	1	1	1	1	1	1	F	F	F	F	0	0	0	0	.7
Mean.....	4.9	4.9	4.8	4.7	5.0	5.6	6.1	7.0	7.3	7.0	6.9	6.6	6.5	6.4	5.9	5.7	5.6	5.3	5.4	5.3	5.2	4.6	5.1	4.7	5.7	

SEPTEMBER 1929

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Day	0	0	0	0	0	0	F	2	3	3	3	5	5	3	2	2	1	1	F	0	0	0	0	0	0	1.2
1.....	0	0	F	4	9	9	9	9	9	9	9	9	9	10	10	10	9	9	8	8	9	8	8	8	8	7.6
2.....	0	0	F	4	9	9	9	9	9	9	9	6	6	4	3	3	2	2	2	2	2	2	1	F	0	3.7
3.....	7	6	3	F	2	3	5	10	9	8	6	6	4	3	2	2	2	2	2	3	2	2	2	2	2	2.5
4.....	2	1	1	2	2	3	4	4	4	4	3	3	3	3	2	2	2	2	2	3	2	2	3	3	3	8.0
5.....	4	7	10	10	10	10	10	10	10	10	10	8	8	10	10	10	10	10	10	8	1	2	3	0	0	3.3
6.....	9	10	10	10	10	10	3	7	3	1	F	F	F	F	F	F	F	F	1	2	3	0	0	0	0	2.9
7.....	0	0	0	0	0	0	0	F	F	1	3	3	4	4	3	3	2	2	2	2	10	10	10	10	10	4.5
8.....	10	10	10	10	10	10	10	10	10	10	5	2	F	F	F	0	0	0	0	0	0	0	0	0	0	.9
9.....	0	0	0	0	0	0	0	0	0	0	F	F	F	1	1	1	1	2	2	2	2	3	F	F	1.9	
10.....	3	5	7	6	3	3	F	0	0	0	0	1	2	3	2	2	2	2	F	0	0	0	0	0	0	.6
11.....	2	3	3	F	F	F	F	F	F	F	F	F	F	1	2	2	2	2	2	F	3	F	F	F	2	.3
12.....	0	0	0	F	F	4	2	0	0	0	0	F	F	0	0	0	0	0	0	0	0	0	0	0	0	3.2
13.....	2	3	5	F	2	2	1	F	1	2	2	5	6	8	8	8	8	7	5	3	F	0	0	0	0	.8
14.....	0	0	0	2	F	F	1	3	3	4	3	2	1	F	F	F	F	F	F	F	F	0	0	0	0	5.7
15.....	0	F	F	3	4	4	4	4	5	5	5	7	7	8	8	8	8	9	7	7	7	8	9	9	8.8	
16.....	9	8	6	7	8	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	8	8	8	8	8	6.3
17.....	7	7	6	6	6	2	5	9	8	8	6	6	5	4	4	4	4	4	5	5	10	10	10	10	10	9.7
18.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	3.7
19.....	6	7	8	9	9	7	4	4	4	4	5	3	3	3	3	2	2	F	F	F	F	1	2	2	2	8.7
20.....	5	5	5	4	7	10	7	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
21.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	4.5
22.....	10	10	10	10	10	10	1	0	0	0	0	F	1	9	10	10	10	5	1	1	F	1	0	0	0	7.3
23.....	0	0	0	1	9	3	8	10	10	9	6	8	9	9	9	9	9	9	9	9	10	10	10	10	10	5.7
24.....	10	10	8	2	F	F	F	F	F	1	3	5	6	8	7	9	10	10	10	10	8	8	5	2	2	7.8
25.....	4	4	7	8	9	9	9	9	9	7	9	9	9	10	10	10	10	10	10	10	8	3	3	2	2	2.5
26.....	2	1	2	2	2	3	5	5	5	4	1	F	F	F	F	F	F	F	F	F	0	0	0	0	0	.4
27.....	1	1	1	1	1	2	2	F	F	F	F	F	F	F	F	0	0	0	F	F	F	0	0	0	0	F
28.....	0	0	F	F	0	0	0	0	0	0	0	0	0	0	0	0	0	0	F	F	F	0	0	0	0	.2
29.....	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	F	F	F	10	10	10	10	8.2
30.....	0	0	0	1	10	10	10	10	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	
Mean.....	3.8	4.0	4.1	3.9	4.8	4.8	4.3	4.8	4.6	4.7	4.2	4.4	4.8	4.9	4.8	4.8	4.5	4.4	4.3	4.2	4.2	3.8	3.7	3.8	4.4	

TABLE 37.—Cloudiness—hourly values, Little America—Continued

OCTOBER 1929

Hour-----	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean	
Day																										
1-----	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0	
2-----	10	10	10	10	9	9	8	7	7	5	4	4	4	3	3	5	6	7	9	9	10	10	10	10	7.5	
3-----	6	9	10	10	10	10	9	9	4	3	2	F	F	F	F	F	F	F	F	F	F	1	1	0	3.5	
4-----	0	0	F	F	F	0	0	0	0	0	0	0	0	0	0	0	F	F	F	F	F	F	F	8	.3	
5-----	6	6	6	6	6	5	8	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	8.6	
6-----	10	9	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	8	8	9.4	
7-----	8	8	8	9	9	9	9	9	9	10	10	10	10	10	10	8	2	5	10	10	10	10	10	10	8.9	
8-----	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0	
9-----	10	10	10	10	10	10	9	9	9	10	10	10	10	10	10	10	10	9	F	F	F	3	3	4	2	7.4
10-----	1	1	F	1	1	2	2	3	5	10	10	10	10	10	10	10	4	F	0	0	1	5	5	1	4.2	
11-----	2	2	8	9	10	10	10	10	10	10	1	F	0	0	0	0	F	3	4	5	9	10	10	7	5.4	
12-----	3	F	0	0	0	1	2	4	8	10	10	10	10	10	10	5	1	F	F	F	F	F	F	F	2.5	
13-----	F	F	F	F	F	4	7	9	9	8	5	F	F	F	F	F	F	F	F	1	F	F	F	F	1.8	
14-----	F	F	F	F	F	F	F	2	2	2	1	2	2	2	4	9	10	10	9	9	9	10	10	10	4.3	
15-----	10	10	10	10	10	10	10	10	10	9	2	1	F	F	F	F	F	1	2	4	2	2	2	3	4.9	
16-----	4	4	4	2	2	2	2	F	F	F	F	F	F	1	2	2	3	8	9	7	7	7	9	9	3.5	
17-----	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	7	9.7	
18-----	4	7	7	8	4	2	1	1	6	2	2	3	9	10	10	10	10	10	10	10	10	10	10	10	6.9	
19-----	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0	
20-----	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	9	9.9	
21-----	7	7	7	8	7	9	9	8	7	6	4	4	2	1	1	1	1	F	F	F	F	1	1	1	3.8	
22-----	F	1	1	2	8	8	9	7	6	7	7	8	8	8	8	9	9	9	9	8	8	8	8	8	6.8	
23-----	1	2	4	10	10	10	3	10	9	10	10	10	10	10	10	10	10	9	9	10	9	9	7	9	8.4	
24-----	9	9	10	10	10	6	5	F	F	F	F	6	10	10	10	10	10	10	10	10	10	10	10	10	7.7	
25-----	10	10	10	10	10	2	3	4	6	4	3	F	F	F	F	F	F	F	F	F	1	2	3	3	3.4	
26-----	F	F	F	F	1	2	6	8	8	6	5	5	3	1	2	4	4	6	5	7	7	7	7	7	4.2	
27-----	6	6	5	3	2	2	1	1	1	5	7	3	2	1	3	7	9	9	9	9	9	8	7	3	4.9	
28-----	3	8	9	9	9	9	10	9	9	8	7	5	4	5	5	5	5	6	7	7	5	2	2	2	6.2	
29-----	3	2	2	4	6	4	2	2	2	4	4	3	3	3	2	2	1	1	2	4	F	9	10	10	3.5	
30-----	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0	
31-----	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0	
Mean-----	5.9	6.1	6.5	6.8	6.9	6.6	6.6	6.8	7.0	7.0	6.2	5.9	6.0	5.9	6.1	6.3	5.9	5.9	6.2	6.4	6.4	6.8	6.8	6.7	6.4	

NOVEMBER 1929

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
2.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
3.....	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	10	10	10	10	9	10	10	9.8
4.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	8	4	5	8	9.3
5.....	8	9	6	5	4	3	1	1	1	1	1	1	1	1	3	5	4	4	5	8	9	9	9	9	4.5
6.....	9	9	9	8	8	8	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8.9
7.....	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	9.2
8.....	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	10	10	10	10	10	10	4	10	9.5
9.....	9	10	10	9	5	9	9	10	9	9	7	7	8	9	9	9	8	9	10	9	8	4	4	5	8.1
10.....	4	7	6	5	2	2	2	5	3	2	3	2	2	3	3	3	3	3	3	5	3	1	2	5	3.3
11.....	5	4	2	5	7	5	6	4	4	5	3	7	7	9	8	5	7	5	4	4	3	2	4	4	5.0
12.....	3	5	4	6	8	8	9	9	9	8	8	7	7	5	6	6	8	8	8	9	9	9	9	9	7.4
13.....	8	3	3	1	1	F	F	F	F	F	F	F	F	F	F	F	0	0	0	0	0	0	0	0	.7
14.....	0	0	F	F	F	1	2	6	8	9	9	9	9	10	10	9	8	6	4	3	3	2	2	3	4.7
15.....	5	5	5	5	6	3	F	1	1	1	F	F	F	F	F	F	F	F	F	F	F	F	F	F	1.3
16.....	F	F	F	F	F	0	0	F	F	F	F	F	F	F	F	F	F	F	F	F	F	0	0	0	F
17.....	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	0	0	0	F
18.....	0	0	0	0	0	0	0	0	0	0	0	F	F	0	0	0	0	0	0	0	0	0	0	0	F
19.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	F
20.....	2	1	F	F	F	F	F	0	0	0	F	F	F	F	F	1	1	2	4	5	7	8	9	9	2.0
21.....	9	9	9	9	9	8	8	2	2	2	4	5	2	8	7	4	5	9	9	9	10	10	10	10	7.0
22.....	10	10	8	4	2	1	2	2	5	6	6	7	7	8	8	9	9	9	9	10	9	7	7	8	6.8
23.....	4	4	3	3	2	1	1	1	F	F	F	F	F	F	F	F	F	F	F	1	1	2	3	8	1.4
24.....	8	7	5	9	9	9	9	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	10	8.9
25.....	9	9	8	10	10	10	10	10	10	8	8	9	10	7	1	1	1	9	10	10	10	9	10	10	7.9
26.....	9	9	9	9	9	10	10	10	10	9	9	8	8	8	8	9	9	9	7	8	3	1	2	3	7.7
27.....	3	3	7	9	9	9	9	9	9	9	8	8	8	8	8	7	5	5	4	4	3	5	8	3	6.7
28.....	2	1	1	1	1	2	2	3	3	2	3	3	4	8	8	8	8	8	8	7	2	1	F	F	3.6
29.....	1	1	1	1	F	F	F	F	0	0	0	1	3	7	8	8	9	9	9	9	9	9	9	6	4.2
30.....	9	9	9	10	10	6	3	2	1	2	2	2	2	2	1	1	2	3	4	7	4	2	2	1	4.0
Mean.....	5.9	5.8	5.5	5.6	5.4	5.1	5.1	5.1	5.0	5.0	5.0	5.1	5.0	5.4	5.5	5.3	5.4	5.8	5.8	6.2	5.6	5.1	5.2	5.7	5.4

TABLE 37.—Cloudiness—hourly values, Little America—Continued

DECEMBER 1929

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	1	1	1	1	2	2	1	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	0.4
2.....	F	F	F	F	0	F	F	0	0	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
3.....	F	F	F	F	1	1	1	2	4	5	8	7	8	8	9	9	9	9	9	10	9	10	10	10	5.8
4.....	10	10	10	10	8	5	3	3	3	4	4	5	5	4	3	3	3	2	1	F	F	F	F	F	4.1
5.....	F	F	F	F	F	F	F	F	F	F	1	2	2	3	4	4	6	7	4	4	4	3	3	1	2.0
6.....	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1	2	2	1	2	2	2	2	2	1.2
7.....	2	2	2	7	4	2	2	1	1	F	F	1	1	2	2	1	1	F	F	F	F	F	F	F	1.3
8.....	F	3	5	7	8	8	5	8	9	9	9	8	8	9	7	4	1	F	F	1	6	10	9	10	6.0
9.....	9	F	F	F	3	9	10	10	10	10	10	8	5	F	F	F	F	F	F	F	F	F	10	10	4.3
10.....	5	5	6	10	10	10	10	9	9	9	9	8	7	6	8	8	7	7	7	7	9	10	10	10	8.2
11.....	10	8	10	10	10	6	0	1	1	4	7	8	8	6	7	7	7	7	7	7	5	3	3	F	5.0
12.....	F	F	F	F	9	1	1	F	F	2	2	3	3	4	5	8	9	9	9	9	9	10	10	10	4.7
13.....	9	7	9	10	10	10	10	10	10	10	10	10	9	8	8	8	9	9	10	10	10	10	10	10	9.4
14.....	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	8	8	8	7	7	2	5	8.7
15.....	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	2	1	F	F	F	10	10	10	8.0
16.....	10	10	10	10	10	10	9	8	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	9.7
17.....	10	10	9	8	9	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	9.1
18.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
19.....	10	10	10	10	10	10	10	10	10	9	9	9	9	7	4	2	1	F	F	F	F	F	F	F	5.8
20.....	F	F	F	F	F	1	1	4	8	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	6.0
21.....	10	10	10	10	10	10	8	8	8	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	9.5
22.....	10	10	10	10	9	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.8
23.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
24.....	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	9.6
25.....	10	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	10	10	10	10	9.7
26.....	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	1	6	10	10	9.0
27.....	10	10	10	2	1	F	F	F	F	F	1	2	5	7	5	3	1	F	F	F	4	6	6	10	3.5
28.....	10	10	7	10	10	10	5	5	4	5	5	5	7	9	9	9	9	9	9	9	10	10	10	10	8.1
29.....	10	10	10	10	9	6	4	8	6	3	5	5	5	7	6	5	5	5	5	5	4	3	2	7	6.0
30.....	9	2	4	2	3	1	1	5	5	6	5	5	5	5	5	3	2	3	4	5	5	5	5	6	4.2
31.....	8	7	7	8	9	9	8	8	8	7	7	7	7	7	6	6	7	7	7	8	8	8	10	10	7.7
Mean.....	6.8	6.3	6.4	6.6	6.9	6.4	5.7	6.1	6.2	6.3	6.6	6.7	6.7	6.7	6.6	6.3	6.0	5.9	5.7	5.9	5.8	6.5	6.8	7.1	6.4

JANUARY 1930

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....	10	9	8	10	10	10	10	10	10	10	10	9	9	9	8	8	7	7	6	6	9	9	8	3	8.5
2.....	1	1	9	9	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	9	8	10	10	9.0
3.....	4	10	10	10	10	10	10	10	8	9	9	9	10	9	9	9	9	9	10	9	10	10	10	10	9.3
4.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
5.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10.0
6.....	10	10	7	9	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	10	9	8	9.5
7.....	9	9	9	9	9	9	10	6	9	10	8	8	9	9	9	9	9	9	9	9	9	10	10	10	9.0
8.....	10	10	9	9	10	10	7	9	9	9	9	9	10	10	10	10	10	10	10	10	10	9	10	10	9.5
9.....	10	10	10	7	10	10	10	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.7
10.....	10	10	10	10	10	10	10	10	10	10	8	8	9	9	9	9	9	9	9	9	10	10	10	10	9.5
11.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	9.9
12.....	9	9	9	9	9	9	10	10	10	10	10	7	7	7	7	10	10	10	10	10	10	10	10	10	9.2
13.....	10	10	10	10	10	10	10	10	10	10	10	9	9	1	F	F	1	2	3	6	9	9	9	8	7.3
14.....	5	7	10	10	10	10	10	10	9	9	9	9	9	10	10	10	10	10	10	10	9	10	10	10	9.4
15.....	10	10	10	10	10	10	10	9	8	8	9	10	10	10	10	10	9	8	2	2	2	4	7	8	8.2
16.....	9	10	10	10	10	8	2	5	3	3	4	5	7	9	9	9	9	9	9	9	9	9	9	8	7.7
17.....	10	10	10	10	10	10	10	9	2	2	2	3	3	3	6	8	5	5	5	8	9	9	9	9	8.0
18.....	8	8	8	9	9	10	10	10	10	10	10	9	8	8	8	9	9	9	9	9	9	7	8	8	8.9
19.....	9	9	9	9	8	9	6	9	9	10	10	9	9	10	10	10	10	10	10	10	10	9	10	9	9.3
20.....	8	9	10	9	8	2	F	1	7	1	1	1	2	8	3	8	7	8	7	3	7	7	8	9	5.6
21.....	8	7	3	2	2	2	2	4	5	4	3	2	2	2	2	2	2	1	1	F	F	F	F	F	2.3
22.....	F	F	F	F	F	0	0	0	0	0	0	0	F	F	F	1	3	3	5	7	3	F	F	F	.9
23.....	F	F	F	F	F	F	F	1	1	1	1	F	F	F	F	F	F	F	F	F	F	3	8	9	1.0
24.....	9	10	10	10	10	9	9	9	9	9	9	9	8	8	7	2	1	F	F	F	F	F	F	F	8.7
25.....	1	1	2	4	2	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	3	.5
26.....	5	1	10	7	10	10	10	9	9	4	2	5	7	8	4	2	F	F	F	F	F	F	1	1	4.4
27.....	F	1	1	F	F	F	F	1	1	2	2	2	1	F	F	F	F	1	2	3	3	6	8	8	1.7
28.....	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9.9
29.....	9	5	4	8	7	5	3	5	5	5	3	7	6	4	4	4	4	4	5	5	5	8	9	9	8.5
30.....	9	8	4	3	9	2	1	4	9	9	9	9	F	3	5	7	7	8	8	2	F	F	1	2	8.0
31.....	5	6	10	5	3	F	1	3	1	2	4	7	8	8	8	8	9	9	10	10	10	10	9	9	6.5
Mean.....	7.3	7.4	7.8	7.7	7.9	7.3	6.8	7.5	6.9	7.0	6.8	7.0	6.9	6.9	6.7	6.9	6.8	6.8	6.7	6.5	6.7	7.0	7.5	7.4	7.1

TABLE 37.—Cloudiness—hourly values, Little America—Continued

FEBRUARY 1930

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day.....																									
1.....	8	8	6	3	2	8	6	8	8	9	9	9	9	9	10	10	10	9	9	9	9	10	9	8	8.1
2.....	7	4	8	9	2	10	1	3	1	F	F	1	2	7	9	9	10	10	10	10	10	10	10	10	6.4
3.....	4	2	3	1	F	5	2	3	10	10	10	10	10	10	10	10	9	2	5	9	9	10	10	9	6.8
4.....	9	9	9	9	10	10	10	10	9	10	10	10	9	2	8	10	10	10	10	9	9	9	9	9	9.1
5.....	10	9	7	8	5	5	5	9	8	8	8	8	6	6	7	8	8	8	5	1	1	2	2	8	6.3
6.....	7	4	3	2	3	5	1	1	1	1	4	4	3	1	F	F	F	F	F	F	F	F	F	F	1.7
7.....	F	F	F	F	F	F	2	5	7	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	6.7
8.....	9	9	9	8	7	5	6	8	8	9	9	9	9	9	10	10	9	9	9	9	9	8	5	3	8.1
9.....	3	3	3	2	3	4	2	F	F	F	F	F	F	F	F	F	F	F	F	F	F				1.0

MARCH 1934

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....								9	9	8	8	8	9	9	8	8	7	7	8	8					8.2
2.....								10	10	8	8	7	8	8	10	10	10	10	10	10					9.2
3.....								10	8	7	10	8	6	8	7	6	5	4	3	F					6.3
4.....								4	5	6	7	8	9	10	10	10	10	10	10	10					8.4
5.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
6.....								9	10	10	10	10	10	10	10	10	10	10	10	10					9.9
7.....								1	3	7	10	10	10	10	10	10	10	10	10	10					8.5
8.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
9.....								10	10	10	10	10	10	8	9	10	10	10	9	9					9.6
10.....								10	5	1	2	2	2	3	8	7	5	3	1	F					3.8
11.....								7	7	7	7	6	6	5	4	4	3	3	2	2					4.8
12.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
13.....								3	3	2	1	F	F	F	F	F	F	F	F	0					.7
14.....								3						8						10					7.0
15.....								8						9	8	7	2	F	F	F					4.2
16.....								9	9	9	9	9	9	9	9	9	9	9	9	9					9.0
17.....								F	2	4	6	8	10	10	10	10	10	10	5	9					7.2
18.....								10	10	10	6	4	2	1	1	1	1	1	1	1					3.8
19.....								F	F	F	F	F	1	1	4	6	10	10	10	10					4.0
20.....								10	10	10	10	10	10	9	5	3	8	5	4	3					7.5
21.....								1	5	10				5					10	10					6.8
22.....								F	F	F	F	F	1	2	1	F	F	F	F	0					.3
23.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
24.....								10	9	8	4	5	7	9	9	10	10	10	10	10					8.5
25.....								F	2	4	5	6	7	8	10	10	10	10	10	10					7.1
26.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
27.....								1	0	0	0	0	0	0	0	0	0	0	0	0					.1
28.....								F	F	2	4	6	8	10	8	6	4	2	1	1					4.0
29.....								10	8	8	6	6	6	6	3	1	F	F	F	1					4.2
30.....								7	7	8	8	9	9	10	9	8	7	6	6	5					7.6
31.....								9	9	9	9	9	9	9	10	10	10	10	10	4					9.0
Mean.....								6.5	6.6	6.8	6.8	6.8	7.1	7.3	7.3	7.1	6.9	6.6	6.3	6.2					6.8

TABLE 37.—Cloudiness—hourly values, Little America—Continued

APRIL 1934

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1								10	10	10	9	9	8	8	8	8	8	8	8	10					8.8
2								10	10	5	0	0	3	5	5	3	1	F	1	2					3.5
3								10	10	10	10	10	10	10	10	9	10	10	10	10					9.9
4								10	10	10	10	10	10	10	10	10	10	8	5	0					8.7
5								7	10	10	10	10	10	10	10	10	10	10	10	10					9.8
6								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
7								10	10	10	10	10	10	10	10	10	10	10	1	1					8.6
8								10	10	10	10	10	10	10	10	10	10	8	5	0					8.7
9								9	10	10	10	10	10	10	10	10	10	10	10	10					9.9
10								10	10	10	10	10	10	10	10	10	10	10	10	5					9.6
11								10	10	10	10	10	10	10	10	10	10	10	10	8					9.8
12								8	8	8	8	8	8	8	8	8	5	3	0	0					6.2
13								F	1	1	1	1	2	10	9	8	8	10	10	10					5.5
14								F	0	0	0	0	0	0	0	0	0	0	0	0					F
15								10	10	10	10	10	10	10	10	7	6	3	0	0					7.4
16								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
17								1	F	F	F	1	3	7	7	4	2	F	0	0					1.9
18								2	3	4	6	4	1	F	F	F	F	F	0	0					1.5
19								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
20								10	10	10	10	10	10	10	10	10	8	4	4	8					8.8
21								10	10	10	10	10	10	10	10	10	10	5	0	0					8.1
22								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
23								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
24								10	10	10	10	10	10	10	10	10	10	10	7	4					9.3
25								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
26								10	10	10	10	10	10	9	9	9	9	6	4	3					8.4
27								10	10	10	10	10	10	8	10	10	10	10	10	10					9.8
28								10	10	10	10	10	10	10	10	10	10	8	4	2					8.8
29								10	10	10	10	10	10	9	9	8	5	4	2	2					7.6
30								F	F	F	F	F	0	0	0	0	0	0	0					F	
Mean								8.2	8.4	8.3	8.1	8.1	8.2	8.5	8.5	8.1	7.7	6.9	5.7	5.2					7.7

MAY 1934

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1								10	10	10	10	8	4	2	1	0	2	4	6	0					5.2
2								9	10	10	10	5	2	F	5	6	10	10	10	10					7.5
3								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
4								F	0	0	0	0	0	0	0	0	0	0	0	0					F
5								4	4	2	1	F	4	7	9	2	1	0	0	0					2.6
6								0	0	0	0	0	0	0	0	0	0	0	0	0					0
7								8	8	6	6	4	2	F	0	0	0	0	0	0					2.6
8								F	F	F	F	F	1	1	1	0	0	0	0	0					.2
9								0	0	0	0	0	0	0	0	0	0	0	0	0					0
10								F	F	F	F	F	F	0	10	0	0	0	5	10					1.9
11								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
12								0	7	8	1	1	F	0	0	0	0	0	0	10					2.1
13								F	7	9	1	F	F	F	F	F	F	3	7	10					2.8
14								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
15								F	3	6	10	10	10	10	10	0	5	3	0	0					5.2
16								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
17								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
18								10	10	10	10	10	0	0	0	0	0	0	0	0					3.8
19								0	0	0	0	0	0	0	0	0	0	0	0	0					0
20								0	0	0	0	0	0	F	0	0	0	0	0	0					F
21								3	4	4	3	2	2	2	1	0	0	0	0	0					1.6
22								10	10	10	10	10	10	10	10	10	10	10	10	0					8.5
23								10	10	10	10	10	10	10	10	10	10	10	5	3					9.1
24								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
25								10	1	1	6	8	8	3	5	4	3	2	3	4					4.5
26								10	10	10	10	10	10	10	10	10	10	6	3	5	6				8.5
27								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
28								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
29								3	3	3	3	3	5	5	5	5	6	6	6	6					4.5
30								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
31								10	10	10	5	4	7	10	10	10	10	10	10	10					8.9
Mean								6.0	6.4	6.4	6.0	5.6	5.3	5.2	5.7	4.7	4.9	4.9	4.7	5.1					5.5

TABLE 37.—Cloudiness—hourly values, Little America—Continued

JUNE 1934

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day.....																									
1.....	9	9	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	4	4	5	7	10	9.0
2.....	10	10	10	10	10	10	10	0	2	2	2	1	1	1	2	5	8	10	10	10	10	10	10	10	6.8
3.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
4.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
5.....	10	10	10	10	10	10	10	10	8	5	10	10	5	0	0	0	0	0	0	0	0	0	0	0	4.9
6.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.....	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	5	1	1	1	7.8
9.....	4	4	4	4	4	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8.7
10.....	10	10	9	9	10	8	2	10	3	10	10	10	10	10	10	10	10	10	10	0	0	10	10	10	8.0
11.....	10	10	10	4	3	7	7	4	4	4	4	10	10	10	10	10	10	10	10	0	0	1	0	0	6.2
12.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.....	0	0	0	0	0	0	0	1	0	0	0	0	0	0	5	10	10	10	10	10	10	10	10	10	4.0
14.....	10	9	9	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	5	7	9.5
15.....	7	9	9	6	10	6	3	10	9	8	6	4	2	1	F	F	0	0	0	0	5	10	9	10	5.2
16.....	10	10	7	2	3	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.1
17.....	10	10	10	10	10	6	8	10	8	6	4	F	F	F	0	0	0	0	0	0	0	0	0	0	3.8
18.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	6	4	.8
19.....	7	4	7	6	6	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.2
20.....	9	9	3	2	4	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8.7
21.....	7	7	6	6	7	6	5	0	F	F	F	F	F	F	2	4	4	4	4	4	4	3	3	3	3.3
22.....	3	3	4	4	4	5	8	2	3	4	6	8	6	4	4	4	4	5	5	6	6	6	6	6	4.8
23.....	5	4	4	5	8	8	9	10	10	5	3	1	F	4	5	5	5	5	5	4	6	8	8	8	5.8
24.....	9	8	8	8	7	5	2	1	2	6	10	10	10	10	10	10	10	10	10	10	9	9	9	9	8.0
25.....	9	8	5	5	10	10	10	10	10	10	10	10	10	10	10	10	8	6	5	4	6	6	6	6	8.1
26.....	9	9	9	7	10	10	9	8	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8	7	9.1
27.....	5	7	7	8	9	8	8	F	2	5	5	5	5	4	4	3	2	1	0	0	0	4	2	2	4.0
28.....	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	F	1	1	1	.7
29.....	1	1	1	1	8	7	4	F	F	F	0	0	0	0	0	0	0	0	0	0	2	6	7	7	1.9
30.....	7	7	7	8	9	9	9	3	1	F	F	F	F	F	F	F	F	1	1	F	4	8	8	8	3.7
Mean.....	6.1	6.3	6.0	5.5	6.5	6.7	6.4	5.6	5.4	5.7	5.7	5.7	5.3	5.0	5.4	5.7	5.0	5.7	5.6	4.7	5.1	6.1	5.9	5.9	5.7

JULY 1934

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day.....																									
1.....	8	8	4	4	2	3	3	1	5	10	10	10	10	10	10	5	0	0	0	0	0	8	8	5	5.2
2.....	5	3	3	4	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1.3
3.....	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	10	1	1.4
4.....	10	10	10	10	10	9	2	F	F	F	F	0	0	0	0	0	0	0	0	0	1	2	5	2.9	
5.....	5	7	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	0	6	6	6	8.2
6.....	4	7	10	8	4	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9
7.....	0	0	0	0	7	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.7
8.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	8	8	8	8	10	10	4	3.6	
9.....	2	6	8	4	6	6	4	5	4	3	6	10	10	10	10	10	10	10	10	10	8	7	7	4	7.1
10.....	5	5	8	5	5	5	5	7	7	7	8	8	8	8	8	8	6	6	5	3	0	2	2	3	5.6
11.....	3	3	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.5
12.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	6	2	.8
15.....	2	3	6	6	6	6	8	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	8.5
16.....	8	5	5	5	5	5	8	10	10	0	0	10	10	10	10	10	10	10	5	0	0	0	0	0	5.7
17.....	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	8	4	2	0	1	5	5	8	1.8
18.....	10	10	10	4	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1.7
19.....	5	5	5	5	2	2	2	0	2	4	5	6	7	10	10	10	10	10	9	8	6	5	3	3	5.6
20.....	3	7	10	10	8	6	6	8	6	4	F	10	10	10	8	6	4	2	1	F	2	9	9	9	6.2
21.....	6	4	2	2	0	0	0	0	0	0	0	0	F	F	0	0	0	0	0	0	0	0	0	0	.6
22.....	4	4	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	7	10	8	9.2
23.....	5	5	5	5	5	5	3	0	0	0	0	0	0	F	F	F	1	2	3	4	7	9	9	9	3.2
24.....	9	9	9	9	9	9	9	8	8	8	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9.3
25.....	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.8
26.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
27.....	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
28.....	10	10	10	10	10	10	10	5	2	F	F	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2
29.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30.....	0	0	0	0	0	0	0	F	F	F	F	F	F	F	0	0	0	0	0	0	0	0	0	0	F
31.....	0	0	0	0	0	0	0	F	F	1	7	8	9	9	10	10	10	10	10	10	10	10	10	10	5.6
Mean.....	4.4	4.6	5.0	4.6	4.4	4.5	4.0	3.4	3.4	3.1	3.4	4.3	4.4	4.7	4.7	4.2	4.4	4.6	3.6	3.6	3.4	4.5	4.7	4.5	4.2

TABLE 37.—Cloudiness—hourly values, Little America—Continued

AUGUST 1934

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
<i>Day</i>																									
1.....								0	0	0	0	0	F	1	1	F	0	5	10	10					2.1
2.....								F	7	9	10	10	10	10	10	10	10	10	10	10					8.9
3.....								10	10	9	9	5	7	9	8	2	0	0	0	0					5.3
4.....								0	10	10	10	10	10	10	10	10	5	0	0	0					6.5
5.....								10	10	10	10	10	10	8	3	1	0	0	0	0					4.8
6.....								10	10	10	10	10	10	10	10	10	0	0	0	0					6.9
7.....								F	2	5	2	1	F	0	0	0	0	0	0						.8
8.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
9.....								10	10	10	10	10	10	10	10	5	0	0	0	0					6.5
10.....								8	9	10	10	10	10	10	8	3	0	0	0	0					6.0
11.....								1	0	0	0	0	0	0	0	0	0	0	0	0					.1
12.....								10	8	8	5	4	3	2	1	1	0	0	0	0					3.2
13.....								0	3	7	10	5	0	0	0	0	0	0	1	10					2.8
14.....								9	10	10	10	10	10	10	10	10	10	10	10	10					9.9
15.....								10	10	10	8	8	9	10	10	10	10	10	10	10					9.6
16.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
17.....								10	10	10	10	10	10	10	10	10	5	0	0	0					7.3
18.....								3	3	2	1	1	1	F	F	F	F	F	F	1					.9
19.....								9	9	9	9	9	9	8	8	8	8	6	4	0					7.4
20.....								F	F	F	0	0	0	0	0	0	0	0	0	0					F
21.....								F	F	F	0	0	0	0	0	0	0	0	0	0					F
22.....								10	5	1	F	F	F	0	0	0	0	0	0	0					1.2
23.....								10	5	1	1	1	4	10	10	10	10	10	10	10					7.1
24.....								5	5	5	5	6	7	8	7	6	5	3	1	0					4.8
25.....								10	10	10	10	10	10	10	8	7	5	1	0	0					7.0
26.....								3	4	5	6	7	8	10	10	5	0	0	0	0					5.2
27.....								0	0	0	0	0	F	F	F	F	0	0	0	0					F
28.....								10	10	10	10	10	9	8	6	5	4	F	0	0					6.3
29.....								10	10	10	8	5	6	7	5	3	1	0	0	0					5.0
30.....								0	0	0	0	0	0	0	0	0	0	0	0	0					0
31.....								0	0	0	0	0	0	0	0	0	0	0	0	0					0
Mean.....								5.7	6.1	6.2	5.9	5.5	5.5	5.7	5.3	4.5	3.2	2.4	2.5	2.6					4.7

SEPTEMBER 1934

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
<i>Day</i>																									
1.....								10	10	10	10	10	10	10	10	10	10	10	0	0					8.5
2.....								10	10	10	10	10	10	4	4	4	4	4	2	0					6.3
3.....								2	3	4	4	4	3	3	3	3	2	2	1	0					2.6
4.....								10	9	8	8	1	8	10	10	10	10	10	10	10					8.8
5.....								10	10	10	10	10	10	10	10	10	10	10	8	0					9.1
6.....								10	9	8	5	4	2	5	10	10	10	5	2	0					6.9
7.....								0	0	0	0	0	0	0	0	0	0	0	0	0					0
8.....								F	2	5	7	5	2	F	F	F	F	F	F	0					1.6
9.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
10.....								10	10	10	10	8	8	4	4	5	5	2	0	0					5.8
11.....								7	7	7	6	6	5	3	2	2	2	1	1	0					3.8
12.....								3	4	5	4	3	2	F	F	F	F	F	F	0					1.6
13.....								0	0	0	0	0	0	0	0	0	0	0	0	0					0
14.....								F	0	0	0	0	0	0	0	0	0	0	0	0					F
15.....								10	10	10	10	10	10	10	9	8	5	2	0	0					7.2
16.....								8	8	8	6	5	4	2	2	1	F	0	0	0					3.4
17.....								0	0	0	0	0	0	0	0	0	F	F	F	F					F
18.....								F	F	F	F	0	0	0	0	0	4	9	9	9					2.4
19.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
20.....								8	10	10	10	10	10	10	10	10	10	10	10	10					9.8
21.....								10	10	10	10	10	10	10	10	10	10	10	10	8					9.8
22.....								0	F	F	F	F	F	F	F	F	10	10	10	10					3.1
23.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
24.....								10	10	10	10	10	10	10	10	10	10	F	F	F					7.7
25.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
26.....								6	6	6	10	8	8	10	8	7	5	3	1	F					6.0
27.....								F	10	10	10	10	5	F	0	0	0	0	9	10					4.9
28.....								9	7	6	5	0	0	4	4	10	10	10	10	10					6.5
29.....								10	10	10	10	10	10	0	8	2	F	F	F	F					5.4
30.....								10	10	10	10	10	9	9	10	10	10	10	10	10					9.5
Mean.....								6.4	6.8	6.9	6.8	6.1	5.9	5.1	5.5	5.4	5.6	5.1	4.5	4.0					5.7

TABLE 37.—Cloudiness—hourly values, Little America—Continued

OCTOBER 1934

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1								0	0	0	0	0	0	F	F	F	F	F	F	F					F
2								F	F	1	1	2	6	4	3	F	F	F	F	F					1.3
3								7	8	9	9	9	9	10	10	10	10	10	10	10					9.3
4								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
5								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
6								10	10	10	9	8	8	8	3	3	1	9	10	10					7.6
7								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
8								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
9								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
10								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
11								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
12								9	9	9	8	8	6	5	2	1	0	0	F	F					4.4
13								8	9	10	10	10	10	10	10	10	10	10	10	10					9.8
14								10	10	10	10	10	10	10	10	10	10	10	10	9					9.9
15								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
16								10	10	10	10	10	8	4	2	4	6	7	8	9					7.5
17								4	6	7	7	8	10	10	10	10	10	10	10	10					8.6
18								10	10	10	10	10	10	9	8	4	2	F	F	F					6.4
19								10	10	10	10	10	5	F	F	8	10	5	F	F					6.0
20								9	9	9	9	8	6	4	4	4	4	2	2	2					5.5
21								10	10	10	10	10	10	10	10	9	8	8	8	8					9.3
22								3	F	F	F	F	F	1	1	F	F	0	0	0					.4
23								1	2	5	8	9	9	10	10	10	10	10	10	10					8.0
24								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
25								9	9	10	10	10	8	7	1	3	4	7	8	8					7.2
26								0	F	F	F	F	F	F	F	F	F	F	1	1					.2
27								0	0	0	0	0	0	0	0	0	0	0	0	0					0
28								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
29								8	8	8	8	8	5	2	2	2	4	9	9	8					6.2
30								4	3	2	3	4	8	6	4	2	2	2	2	2					3.4
31								8	8	8	8	8	8	8	8	8	8	8	8	9					8.1
Mean								7.4	7.5	7.7	7.7	7.8	7.6	7.0	6.4	6.1	6.4	6.8	6.8	6.6					7.1

NOVEMBER 1934

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1								1	1	1	2	3	4	5	5	5	6	6	7	7					4.1
2								F	F	F	F	1	2	3	7	10	10	9	8	7					4.4
3								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
4								10	9	9	10	10	10	10	10	10	10	10	10	10					9.8
5								10	10	10	10	10	10	10	10	10	10	8	5	8					9.3
6								10	10	10	10	10	10	10	10	10	10	5	0	0					8.1
7								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
8								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
9								10	10	10	10	10	10	10	10	10	10	10	10	9					9.9
10								8	8	8	8	8	8	1	5	9	2	1	F	F					5.1
11								0	0	0	0	0	0	0	0	0	0	0	F	F					F
12								F	F	F	F	1	3	5	10	10	10	10	10	10					5.3
13								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
14								F	F	F	1	4	8	10	8	7	6	6	6	6					4.8
15								F	F	F	0	0	0	0	0	0	0	0	0	0					F
16								0	0	0	0	0	0	0	0	0	0	0	0	0					0
17								F	1	4	5	7	9	9	9	10	10	10	10	10					7.2
18								0	0	0	F	F	F	F	1	2	3	2	1	1					0.8
19								F	7	9	8	7	8	8	9	8	7	6	7	9					7.2
20								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
21								1	1	F	F	1	F	F	F	F	F	F	F	F					0.2
22								F	F	F	F	F	5	10	10	10	10	10	10	10					5.8
23								F	F	F	F	F	F	F	F	F	F	1	1	1					0.2
24								F	F	F	1	3	8	F	F	F	F	5	10	10					2.8
25								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
26								10	10	10	10	10	10	10	8	6	5	7	8	9					8.7
27								2	4	8	10	10	10	10	10	10	10	10	10	10					8.8
28								9	10	10	10	10	9	8	7	6	6	7	8	9					8.4
29								7	9	10	10	10	10	10	10	10	10	9	9	9					9.5
30								10	10	10	10	10	9	9	9	9	9	9	9	9					9.4
Mean								4.9	5.3	5.6	5.8	6.2	6.8	6.6	6.9	7.1	6.8	6.7	6.6	6.8					6.3

TABLE 37.—Cloudiness—hourly values, Little America—Continued

DECEMBER 1934

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....								9	10	10	10	8	9	8	7	8	10	10	10	10					9.2
2.....								9	10	10	10	10	7	7	7	8	10	10	10	10					9.1
3.....								7	4	3	5	8	9	10	10	10	10	10	10	10					8.2
4.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
5.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
6.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
7.....								F	F	0	0	0	0	0	0	0	0	0	0	0					F
8.....								F	F	F	F	F	F	F	F	F	F	F	F	F					F
9.....								10	F	F	F	F	F	F	F	F	F	F	F	5	9				1.8
10.....								10	10	10	10	10	10	10	10	10	10	10	10	10	9				9.0
11.....								F	F	F	F	F	F	F	F	F	F	F	F	F					F
12.....								9	9	9	8	7	7	7	8	8	9	9	9	9	9				8.4
13.....								F	1	F	F	1	2	2	2	2	2	2	2	3					1.5
14.....								10	10	10	5	8	9	9	5	4	3	2	1	F					5.6
15.....								10	10	10	5	F	0	0	0	0	0	0	0	0					2.7
16.....								10	10	10	10	10	10	10	7	6	5	4	3	2					7.5
17.....								10	9	9	9	9	9	9	10	10	10	10	10	10					9.5
18.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
19.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
20.....								10	10	10	8	8	9	10	10	10	10	10	10	10					9.6
21.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
22.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
23.....								F	F	F	F	F	F	F	F	F	F	F	F	9					.7
24.....								9	9	8	8	7	7	6	1	F	F	F	F	F					4.2
25.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
26.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
27.....								F	F	F	F	F	1	3	7	7	5	4	3	2					2.5
28.....								F	F	F	F	F	F	F	F	F	F	F	F	F					F
29.....								F	F	F	F	F	F	F	1	1	2	3	5	9					1.6
30.....								F	F	F	F	F	F	F	F	F	F	F	F	F					F
31.....								F	F	0	0	0	F	F	F	1	2	4	6	8					1.6
Mean.....								6.5	6.2	6.1	5.7	5.7	5.8	5.8	5.6	5.6	5.7	5.7	5.9	6.5					5.9

JANUARY 1935

Hour.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Mean
Day																									
1.....								0	F	F	F	F	F	F	F	F	F	F	F	F					F
2.....								3	6	7	8	8	7	7	F	F	4	F	F	F					3.9
3.....								5	3	2	2	5	7	10	10	10	10	7	5	3					6.1
4.....								10	10	10	10	10	10	10	10	10	10	10	10	9					9.9
5.....								F	F	F	F	F	F	F	F	F	F	F	F	F					F
6.....								0	F	F	F	F	F	F	F	F	F	F	F	F					F
7.....								10	10	10	10	10	10	10	10	9	8	8	6	4					8.8
8.....								1	7	8	8	8	8	8	9	9	10	10	10	10					8.2
9.....								2	0	0	F	0	0	F	F	0	0	F	F	F					0.2
10.....								9	7	1	2	6	10	10	10	10	10	10	10	10					8.1
11.....								9	9	9	9	8	5	1	2	5	10	10	10	10					7.5
12.....								10	10	10	10	10	8	10	10	10	10	10	8	7					9.5
13.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
14.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
15.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
16.....								10	10	10	10	10	10	10	10	9	9	9	9	10					9.7
17.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
18.....								10	10	10	10	10	10	10	10	10	10	10	9	9					9.8
19.....								10	10	10	10	10	10	10	10	10	10	10	8	8					5.5
20.....								4	3	3	3	3	3	5	7	8	8	8	8	8					3.5
21.....								5	8	7	6	5	4	6	3	2	F	F	F	F					8.4
22.....								10	10	7	4	3	5	10	10	10	10	10	10	10					10.0
23.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
24.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
25.....								9	9	9	9	10	10	10	10	10	10	10	10	10					9.8
26.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
27.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
28.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
29.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
30.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
31.....								10	10	10	10	10	10	10	10	10	10	10	10	10					10.0
Mean.....								7.6	7.8	7.5	7.5	7.6	7.6	8.0	7.7	7.8	8.0	7.8	7.6	7.4					7.7

TABLE 38.—Meteorological notes on board ship in the Bay of Whales, January 1, to February 15, 1929

January 1, 1929.—A cloud day with slight SW winds and moderate temperature. A layer of StCu (SW) was present throughout the day.

January 6, 1929.—StCu split up into two layers at 9h, the lower of which immediately began to build vertically through strong convection.

The sky darkened rapidly in NNE at 10h and a snowsquall came up from that direction reaching the ship at 10:24. Moderately heavy snow fell for half an hour with visibility lowered to 300 ft.

A fog set in quickly around 23h with visibility finally lowering to less than 300 ft.

January 7, 1929.—The dense fog continued until 2:30 when it was quickly dispersed. Fog apparently of a local nature, covering the open bay from the mouth to a short distance within the bay ice.

Temperature falling again in the afternoon with the wind around to a southerly direction.

January 8, 1929.—A cloud day with a few flakes of snow falling generally. Somewhat unpleasant outside due to a fresh SW wind and temperatures a trifle lower than during the past few days.

The StCu changed to a low layer of St at about 50 m. in the evening. Another dense fog shut in suddenly at 23h, visibility decreasing to 400 ft. By midnight the fog had entirely lifted.

January 9, 1929.—An overcast of StCu prevailed in the morning but began to break up around 14h when a very definite change in the sky took place.

At this time a layer of CiSt was disclosed at an altitude of about 7,500 m. moving slowly from WSW. Another layer of dense ACu moved in beneath the Ci after 18h moving from NW.

Barometer settling slowly in the evening; wind veering slowly from N towards E and increasing steadily.

January 10, 1929.—The first blizzard since our arrival here.

A SE wind filled the air with fine, blinding drift which reduced the visibility over the bay ice to less than 100 yards. Moderate snow probably fell until about 9h when the sun became faintly visible through a broken layer of ASt. The best estimate of the snowfall is about 2 inches. The snow covering along the edge of the bay ice built up 2 feet owing to drift.

The blizzard diminished rapidly in the late evening, the air becoming practically calm by 23h.

January 11, 1929.—Following the comparative calm around midnight the wind set in from SW and increased steadily in velocity. Mild blizzard conditions prevailed after 4h continuing until early in the evening when the wind diminished.

The drift made dog sledding on the ice out of the question. Bright blue sky with only a few scattered Ci and high ASt.

The surface snow is firmly packed today, providing uniformly good footing for walking.

January 12, 1929.—A quiet pleasant day. 8.5° in the early morning was the lowest temperature recorded so far but was scarcely noticeable in the calm air.

The high relative humidity of the past 2 days continued during the morning with a thin layer of St forming at a height of about 100 ft., even coming down to the sea near the east barrier at 9h. Wind and cloud direction were both variable at this time.

ACu appeared in SW at 9h, advanced overhead and gave way to a solid layer of StCu just before noon.

A very light snow fell at intervals after 13:45.

January 13, 1929.—A dark overcast of StCu prevailed in the morning with an occasional light flurry of fine pellet snow falling.

Gradual breaking up of the clouds in the afternoon, giving bright warm sunlight again.

January 14, 1929.—Scattered low St in the morning gave way to a layer of StCu at about 2,400 m. The sky broke up rapidly after 16h, disclosing scattered Ci above from WNW.

StCu with bulging tops formed after 19h and a light flurry of snow followed around 20h. Another moderately hard snow flurry set in at 21:30 and continued to fall until after midnight. The snow was of the soft fluffy type.

January 15, 1929.—A light fluffy snow continued intermittently during the early morning ending at 6:30.

Clearing set in after 8h and the balance of the day was fine and with brilliant sunlight.

At 20h a line of bulging Cu tops was observed along the E horizon evidently about 75 miles away. The tops were dome shaped and very similar to small "thunderheads" of temperate regions.

January 16, 1929.—A fine day with brilliant warming sunshine. Scattered Ci (WNW) prevailed throughout the day. A thin mist (sea smoke) was rising from the open bay water in the evening and blowing out to sea. This sea smoke forms almost invariably when the wind blows off the snow surface.

January 17, 1929.—Another fine day with light winds, brilliant sunshine and a deep blue sky.

On a day of this type visibility is practically unlimited although there is no land or high ice in this section to furnish a definite check.

January 18, 1929.—Increasing SSW winds in the morning becoming strong enough in the afternoon to pick up light to moderate drift. Diminishing wind in the evening.

Dog sledding operations were able to go on uninterrupted.

January 19, 1929.—A bright day.

A band of CiSt appeared in NE in the early morning moving rapidly from NNE; advanced overhead and covered the sky generally during the balance of the day. Probably at a height of 8,000 m., they had an indicated speed of 50 m. p. s. In the morning the Ci were arranged in the form of streamers and mares' tails running from NNE to SSW but in the afternoon had become merged into a sheet form.

A 22° solar halo was visible generally after 14h becoming brighter in the evening. Parhelia were noted around 20h, also halo arc of 270° and upper tangent arc.

January 20, 1929.—A windy day with light to moderate drift prevailing until 15h. Sledging operations were suspended until 11h.

ACu and ASt (NNE) thickened around 14h, especially in NE, while low St (S) formed at the same time. A light snow set in at 15h and continued at intervals through the evening. Between 17 and 19:30 the snow was thick enough to lower visibility to 500 m.

January 21, 1929.—A light snow fell intermittently throughout the early morning. With a decided rise in temperature the snow became moist at 5h and finally wound up with a light drizzle between 9:15 and 9:30.

The lower clouds passed off after this time to give way to a layer of ACu and ASt. As is quite often the case here, the immediate S and SW horizons remained clear.

January 22, 1929.—An unusually mild day with the highest temperature recorded to date of 42.4° F.

All snow and ice about the ship melted and there was considerable settling of the snow mantle on the bay ice.

ACu (NNW) prevailed during most of the day although patches of Ci produced a faint 22° solar halo at intervals.

January 23, 1929.—A low overcast of heavy St in the early morning was followed at 7:34 by a rapid onset of fog with visibility lowering to less than 1,000 ft. The fog extended well up the bay ice to the south at least three miles.

The fog thinned out slowly after 8:30 and was followed by a dark overcast day with increasing SSW wind.

The fog in the morning appeared to form through a dipping to the surface of the very low St cloud layer.

January 24, 1929.—Turreted StCu along the NW horizon at 8h gave way later to typical rounded Cu with bulging tops.

At 12:45 a dark cloud passed slightly to N of the ship moving from WSW and a moderately hard fall of conical shaped snow pellets occurred for 20 minutes. Another lighter flurry fell at 13:15. Rapid clearing took place after this time and brilliant sunlight prevailed during the balance of the day.

January 25, 1929.—A dark overcast day with a light snow setting in at 11:40 and continuing until 15h. A few flakes of snow also fell at intervals in the morning.

Continued overcast and threatening in the evening with St and StCu predominating as before.

January 26, 1929.—Overcast with a very light snow falling at intervals in the morning. A broken layer of StCu prevailed during the afternoon and evening.

A bank of dense fog appeared in S at 20h and reached the ship at 21:05 accompanied by a marked drop in temperature. The fog layer was approximately 30 ft. thick as indicated by the formation of rime upon the rigging.

January 27, 1929.—A beautiful day with brilliant sunlight, unlimited visibility and light winds.

January 28, 1929.—The dense fog continued until about 7h with a light fog persisting until 9h.

A layer of ASt thickened and lowered in the afternoon and a steady snow set in early in the evening.

A heavy deposit of rime formed on the windward side of the ship's rigging during the early morning.

January 29, 1929.—A moderately hard snow continued in the early morning, ending at 4h.

A layer of StCu remained present until late in the afternoon when it passed off and was followed by broken ACu. A light snow also fell between 12 and 13:30.

January 30, 1929.—A partly cloudy day with bright sunlight prevailing generally. In the evening isolated StCu clouds were observed to W and NW with heavy snow streamers projecting from them.

TABLE 38.—*Meteorological notes on board ship in the Bay of Whales, January 1, to February 15, 1929—Continued*

A wide field of the bay ice in the eastern half of the bay went out just before midnight leaving a V-shaped section of open water adjacent to the E barrier.

January 31, 1929.—A moderately heavy shower of ice crystals was present in the morning producing some brilliant halo phenomena. Because of the movement and variations in the density of the crystals, the halo was continually changing in form. The parhelia and upper tangent arc of 22° were the brightest forms shown on the average.

February 2, 1929.—A dark overcast day throughout with a cold easterly wind blowing.

A light flurry of snow fell around 23h.

February 3, 1929.—Thick overcast in the morning with a light snow falling from 5:15 to 9:30.

A heavy north sea was running in the afternoon and evening making it necessary to cast off the ship from her mooring to the bay ice at 19h and head out into the sea in order to escape being pounded against the heavy ice.

The surface wind shifted very suddenly at 19h from E to N and increased in velocity.

Cruising about, off mouth of bay in the late evening.

February 4, 1929.—Diminishing wind and sea in the early morning, the wind veering around again to SE.

Considerable small pancake ice formed in the bay in the early morning.

Cloudy during the day with the cloud layer breaking up in the evening.

A few flakes of snow fell around 8h.

February 5, 1929.—Considerable small pancake ice formed in the bay during the night.

February 6, 1929.—A bank of Cu prevailed along the N horizon after 6h.

Somewhat larger and heavier pancake ice formed around the ship during the night.

February 7, 1929.—A snowsquall passed over the ship near the mouth of the bay between 4:45 and 5:15. At that time dark StCu and St covered the sky.

By 7h the sky had changed entirely showing distinct layers of Ci, CiCu, ACu, and StCu with most of the Ci arranged in streamers and fans converging in SW.

The overcast changed to ASt at 9h through which the sun was faintly visible.

A cutting snow commenced to fall at 11h and continued throughout the afternoon and evening, becoming steadily heavier after noon.

February 8, 1929.—Moderately heavy snow and an easterly wind continued in the early morning until 5:30, when an abrupt lull in

the storm took place. The heavy overcast lightened considerably at this time, the wind fell off and the snow practically stopped. At 6:30 however, the storm was renewed and continued during the balance of the day.

Considerable chipping off of the E barrier was observed in the morning.

Blizzard conditions on the barrier all day.

Cruising about, off the mouth of the bay.

February 9, 1929.—Moderately heavy snow and NE winds continued during the early morning. The sun appeared faintly at 8h giving a good check on the movement of the low overcast of ASt (WNW). The sky thickened again immediately, however, and light to heavy snow fell during the balance of the day.

February 10, 1929.—Continued overcast and threatening and with the persistent high temperatures of the past 3 days.

A thick layer of StCu was present throughout.

February 11, 1929.—Light to moderate snow fell in the morning and at intervals in the afternoon until 17h. At this time the atmosphere suddenly and completely cleared up, the visibility becoming excellent.

A dark layer of ASt slightly broken at times continued throughout the evening with gusty E and SE winds.

February 12, 1929.—Gusty SE winds in the early morning backing suddenly to NE at 5:30.

A dark overcast of ASt and StCu prevailed in the morning from which occasional snowflakes fell.

The sky became heavy and threatening just before noon and beginning at 12:20 a series of heavy snowsqualls set in which continued at short intervals until 19:30.

February 13, 1929.—Overcast in the early morning (ASt and St) with snowsqualls setting in again at 5:45.

The wind veered from NE to E and ESE shortly after midnight. During a snowsquall at 7:30 the snow spicules became mixed with a mist which fell for 45 minutes. Enough mist fell to form a thin transparent coating of ice on the windward sides of metal and woodwork on deck.

Sudden clearing around 10h resulted in brilliant sunlight and a clear sky until 13h when St and StCu again moved in. The sky remained overcast but with occasional breaks during the balance of the afternoon and evening.

February 14, 1929.—An overcast day but with high clouds predominating so that sunlight and fine visibility prevailed generally.

February 15, 1929.—A quiet pleasant day.

A high layer of ASt (0?) prevailed mostly with occasional faint sunlight.

Considerable pack ice present out off the mouth of the bay.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930*

February 16, 1929.—A quiet pleasant day.

February 17, 1929.—A very thin layer of St cloud drifted in at 8h just above the level of the barrier with a fairly rapid movement from S.

A shower of ice crystals occurred several times during the day and produced some brilliant halo phenomena. Both the 22° and 46° halos were observed, along with the circumzenithal arc, RH and LH parhelia of 22° and a whitish sun pillar. The parhelia were the most pronounced forms shown.

The shower of ice crystals was much heavier here than down at the edge of the bay ice just 5 miles away.

February 18, 1929.—A cold but pleasant and beautiful day.

The sky was cloudless save for a few scattered Ci and ASt.

February 19, 1929.—A cold, cloudless day.

Fresh E and ESE winds picked up light drift until late in the afternoon when they diminished in velocity.

February 20, 1929.—Continued cold with a biting S wind.

Thin slush ice formed across the entire width of the bay near the old ice during the night but was gone by midday.

February 21, 1929.—A bright, clear day with a cold E wind blowing.

February 22, 1929.—The *City of New York* sailed for Dunedin, New Zealand, at 22h, ploughing through the thin but wide fields of new ice that formed over the Ross Sea in the last 2 days.

February 23, 1929.—Ci in the morning gave away to a bank of ACu which appeared in NE just before noon and advanced overhead. The ACu became steadily thicker and finally changed to a smooth layer of ASt at 17h.

After a calm in the early morning a moderate SSW wind sprang up and continued until 18h. A SE wind set in after 20h and steadily increased in velocity during the evening.

A light snow began to fall at 19:15, becoming steadily harder and falling in granulated form after 21h.

The barometer fell in a series of slight steps or waves throughout the day.

February 24, 1929.—Blizzard conditions prevailed throughout the night and continued until late in the afternoon when the wind and drift eased up slightly.

Light snow probably fell until 6h when the sky lightened and disclosed a layer of fairly high but dense StCu. The tops of the radio towers were visible generally from the administration building whereas the bases were obscured.

February 25, 1929.—A cloudy day but with intermittent sunshine. CiSt and StCu (ENE) prevailed throughout.

February 26, 1929.—Moderate easterly winds stirred up some drift in the morning but the afternoon was more pleasant.

Calm in the evening with another brilliant sunset around 20:30. Pink and lavender predominated and a bright (red) sun pillar also projected up about 15° . A faint greenish glow again prevailed along the northern horizon over the barrier.

At 21:30 the almost full moon burst out upon us after over 2 months' absence.

February 27, 1929.—Pleasant in the morning with intermittent sunshine and practically calm air. The wind set in from E at 15h however, and with an accompanying temperature fall conditions were uncomfortably cold for all outside work.

TABLE 39.—Meteorological notes at Little America, February 16, 1929, to February 19, 1930—Continued

ACu gave away to CiSt at 15h which in turn were followed by a low layer of StCu which moved in from NE at 18:30.

Lenticular St observed in N at 19h.

A 22° solar halo was present from 15h to 18:30; 180° arc.

February 28, 1929.—A moderately cold day and with the typical low cloud layer which prevails here under the persistent easterly winds. Fairly pleasant for outside work however and when the sun did break through the clouds it was perceptibly warm.

Another brilliant sunset in the evening with red and lavender predominating.

Peculiarly shaped wisps and streamers of white stratus cloud, in constant turbulence but with a rapid movement from ENE, were observed in N after 20h, apparently along the edge of the barrier and the sea. Evidently high winds again prevailed out along the edge of the barrier in contrast to light winds here.

Unusually low temperature range.

March 1, 1929.—A light snow fell between 2 and 7h followed by light drift during the balance of the day. The wind eased up somewhat in the afternoon but increased again at 15h, at which time the drift was heavy enough to lower visibility.

A break in the St clouds in the afternoon disclosed a layer of Ci above, which were moving from ENE.

A 22° solar halo was observed from 14 to 16h; 270° arc.

March 2, 1929.—Another snow set in shortly after midnight and was mixed with light drift until the wind decreased around 10h. Between 1 and 2 inches of soft fluffy snow fell up to 7h; after this only spitting snow prevailed during the balance of the day, finally ending at 22h.

March 3, 1929.—Continued overcast in the morning with decidedly lower temperatures under the influence of a S wind. Blue sky prevailed along the SW horizon after noon and a gradual breaking up of the StCu took place during the afternoon and evening.

March 4, 1929.—After light winds in the early morning the wind shifted to E at 5:45 and showed a very sudden increase in velocity. Light drift set in at 7:30, increased steadily and reached blizzard proportions at 10h. Blinding drift continued through the balance of the day. The sun was visible faintly through broken ASt until 14h when a heavy layer of St moved in (apparently from ENE). Light snow fell with the drift after that time. During a momentary lull in the storm at 19:50 a layer of StCu was observed moving from N.

March 5, 1929.—A dark overcast day with light snow falling continually save for occasional breaks of 10 or 15 minutes. The snowfall was more or less of the squally type and was fairly heavy at times especially around 10h.

St prevailed throughout except between 7h and 8:15, when a break in them revealed a dense layer of ASt at about 4,000 m. moving from NNE.

March 6, 1929.—Increasing E wind in the early morning becoming a blizzard by 8h. Drift then prevailed until late in the afternoon when the wind eased up. Light snow was visible all day falling from a heavy layer of St. The St broke up for a period around 14h revealing another heavy layer of ACu and ASt at about 3,000 m. moving fairly rapidly from NE.

March 7, 1929. A quiet pleasant day. Steadily falling temperature and E winds set in late in the afternoon and evening. CiSt produced some varied halo phenomena in the morning from 8 to 11h.

March 8, 1929.—A sharp rise in temperature during the night was accompanied by an unusual windshift to WNW, the formation of low dark St and a series of light snows from 6:45 to 10:30. Rapid clearing after 11h was followed by a beautiful sky and atmosphere in the afternoon and evening. Visibility was practically unlimited with abnormal contrast between light and shadows.

The rise in pressure was the sharpest and most pronounced here so far.

March 9, 1929.—Blizzard. A peculiar feature of the storm was the action of the barometer. After a sharp rise all day yesterday the barometer reached its peak at midnight following which a sudden and sharp fall set in without the slightest indication of "levelling off" as is almost invariably the rule.

Light snow began to fall from a heavy layer of St cloud shortly before 7h and it is probable that light to heavy snow fell during the balance of the day. The day was unusually dark which would indicate that heavy low clouds were present throughout.

March 10, 1929.—With a windshift to SW around midnight the temperature took a sudden and decided fall and the day continued cold throughout.

The St overcast cleared away rapidly after 8h but the air remained full of falling ice crystals which were visible against the sun but not dense enough to alter the bright blue sky above. Some beautiful halo phenomena were produced by the crystals.

The St thickened again after 14h until the sky finally became overcast again in the evening.

The barrier presented a strange and new appearance this morning when pronounced sastrugi, running from ESE to WNW, were visible everywhere. The "flying field" is cut up badly also and is now entirely unfit for use.

March 11, 1929.—A heavy snow set in sometime after midnight and continued until 7h although a few flakes fell until 10h. The snow was of the soft fluffy type and although it drifted somewhat under fresh shifting winds, a fairly accurate measurement of 4 inches was obtained. The sharp sastrugi formed by the last storm were entirely covered over.

An extraordinary rise in temperature accompanied the storm but colder weather again set in at 6h when the wind worked around to SW.

Rapid clearing at 17h followed by a practically cloudless sky at 19h. A heavy bank of StCu appeared in NW at 19:15 however; advanced overhead steadily and covered the sky by 23h.

March 12, 1929.—ESE winds increased around 2h; drift set in at that time and finally reached blizzard proportions at 6h. The drift then continued throughout the morning, eased up slightly in the afternoon and ended in a brief squall at 19:30 when the wind veered to S.

A thin layer of St was evidently present during most of the day with light snow probably falling throughout. The sun was faintly visible in the morning but obscured in the afternoon.

March 13, 1929.—A cold day throughout, disagreeable for all outside work.

A heavy sheet of CiSt and ASt was present in the early morning under which a thin layer of half formed St moved in at 8:15. A light fine snow began to fall at 8:15 and continued until 10h. The sky lightened up slightly after 10h, leaving a patch of blue sky along the S horizon during the balance of the day.

A brief windsquall from the E occurred around 19:30; following this the direction again became S. A tendency of the wind to work toward E was again indicated however after 21h.

March 14, 1929.—The wind shifted to ESE around 3h and showed a sudden and decided increase in velocity. Drift set in at 6h and by 7h had reached mild blizzard proportions. Moderate drift and an easterly gale then continued during the balance of the day.

At 8h a layer of Ci was noted moving rapidly from WNW. An overcast of St and StCu was present during most of the day after that time.

The comparatively light drift today was perhaps due to the absence of falling snow. It seems that light to heavy snowfall accompanies most of the blizzards which occur here.

March 15, 1929.—The wind backed around to NE around midnight and brought with it the usual snow and sharp temperature rise. Moderately heavy snow fell during the night, continued during the morning, eased up at noon and finally stopped at 14h, when the low St overcast broke up. At this time layers of CiSt (SE) and ACu (ENE) were noted and a faint 22° solar halo was visible for a short time; 180° arc. The visibility improved considerably at this time also, but the St again thickened at 16h and light snow set in at 17:45, continuing throughout the evening.

March 16, 1929.—With a windshift to SW at midnight the temperature took an abrupt and decided fall and the weather became steadily colder throughout the day.

An overcast of ACu prevailed in the morning but gave way to low St which moved in rapidly shortly before noon. The sky became dark and threatening by 12:30 with a moderately heavy snow setting in at 13h and continuing until 15:30. Light to moderate drift prevailed until 16:30 after which steady improvement in sky and visibility set in.

March 17, 1929.—The StCu began to break up steadily after 9h until at noon the weather appeared to have transformed the surrounding country entirely. Following upon days of persistent dull gray skies the sun burst forth with unusual brilliance considering its low altitude and the visibility immediately increased to an extraordinary degree. At 16h the sun became obscured by StCu clouds. Unusual refraction and reflection phenomena were noted on the barrier during the calm air at 15:30.

March 18, 1929.—Light snow continued during the early morning, depositing about $\frac{1}{4}$ inch. The sky broke up somewhat at 7h but it was 15h before decided clearing set in. Bright sunlight and excellent visibility prevailed in the late afternoon. The first stars became visible tonight at 18:55.

March 19, 1929.—An uncomfortably cold day throughout with sub zero temperatures and strong easterly winds which stirred up light drift along the surface of the barrier.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930—Continued*

An overcast of AS_t and CiSt was present during the entire day. A faint 22° solar halo was visible in the early afternoon.

March 20, 1929.—A day of uncertain weather with fresh easterly winds which constantly carried a threat of drift. The overcast of AS_t in the early morning lowered to a layer of dark St at 7h. Large flakes of snow began to fall at 7:45 and continued until 11h, the fall being moderately hard at times. Depth estimated at ¼ inch.

The St broke up and disappeared between 15 and 17h when an overcast of thick CiSt (NNW?) prevailed. A faint 22° solar halo was also observed at this time. St reappeared at 17h and were present in broken form beneath an upper layer of AS_t (N) in the evening.

March 21, 1929.—An overcast of CiSt (NNE) was present throughout the day producing faint 22° and 46° halos in the early afternoon.

The easterly winds of the past 4 days continued throughout the day although with diminished velocity in the afternoon and evening.

March 22, 1929.—A fine bright day with unlimited visibility and a warming sun which offset the effect of low and falling temperature.

A sheet of CiSt (NNE) was present during the entire day breaking up somewhat in the afternoon and evening, however.

March 23, 1929.—A beautiful day—brilliant moonlight and a practically cloudless sky.

A haze of falling ice crystals formed near the surface at noon and was thick enough to obscure the horizon at times, especially over the bay.

March 24, 1929.—A temperature rise of 30° took place between 23h last night and 11h this morning.

With ENE and NE winds setting in, in the early morning cloudiness increased steadily with ACu and AS_t (E) giving way to StCu (E) at noon, and a layer of St (NE) finally moving in rapidly in the afternoon. A light snow set in at 15:30, continuing throughout the evening.

Parhelia at 10h.

March 25, 1929.—A dull cloudy day with a layer of St (ENE) present throughout. A very light snow fell during the early morning and also again in the evening.

March 26, 1929.—Light snow fell intermittently until 9h when the layer of StCu (NNW) began to break up. St moved in late in the afternoon and a light to moderate snow fell during the evening.

March 27, 1929.—Light snow and drift prevailing in the early morning following which the sky cleared up somewhat. A smooth layer of AS_t was present throughout however, moving slowly from SSE.

Falling ice crystals were moderately dense around noon, producing the usual bright parhelia of 22° and upper tangent arc. The floating ice crystals have been observed frequently with the oncoming of sharply falling temperature.

Bright moonlight in the evening.

March 28, 1929.—Bright sunlight and unlimited visibility in the early morning. St moved in from SW at 9h covering the sky in the afternoon and giving the typical murky gloom. In a condition of this kind it is practically impossible to walk along the undulating barrier surface without falling down occasionally. Whether incline, ridge, or depression the surface all appears as one.

March 29, 1929.—Another dull overcast day, a thick, dark layer of St being present throughout.

A light snow set in at 17h and continued throughout the evening.

March 30, 1929.—Light snow continued during the night ending at 10h when the St overcast broke up temporarily.

Parhelia were visible for a short time around 10:15. A bright sun pillar was prominent in the NW at 16:30, the fiery red column rising to an elevation of 25°.

The aurora australis was observed for the first time tonight at the camp. A faint changeable curtain was visible in the NW, N, and NE at 21h.

March 31, 1929.—A cold day throughout with the minimum temperature falling below -40° F. for the first time.

A thin layer of very low St was present in the morning but passed off rapidly in the afternoon.

April 1, 1929.—An unseasonably cold day with the temperature reaching -50° F. for the first time.

An image of the barrier was visible along the S and SW horizon around 8h.

April 2, 1929.—Continued cold throughout with the temperature again reaching 50 below.

The sky continues beautifully clear, however, with bright sunlight, light winds, and unlimited visibility.

April 3, 1929.—Continued clear, cold, and calm.

Scattered Ci (NNE-NE) were present throughout.

April 4, 1929.—Continued cold.

A layer of ACu (SSW) was present in the morning, disappearing around 11h. Cloudless in the evening with bright moonlight.

Elevation of sun 7.5° at apparent noon.

April 5, 1929.—A fog formed at 7h with a temperature of -28° F. The fog thickened at 9:30 when the visibility was lowered to less than 1,000 ft. There is no doubt that the fog was made up entirely of supercooled water particles, being noticeably wet when felt upon the face. In the evening in the beam of a flashlight countless extremely minute water particles were plainly visible; a few small flakes of snow were seen floating down slowly at this time also.

A coating of rime about ¼ inch thick formed on practically all objects.

April 6, 1929.—The St overcast and light fog cleared away rapidly just before noon, giving way to a layer of CiSt (NW), which continued during the afternoon and evening.

It is now quite dark by 19h. The moon is but several days from new but the usual brilliant starlight continues.

The aurora has now been observed each clear night since March 31 but without brilliant formations as yet.

April 7, 1929.—A moderate S wind in the morning made for disagreeable conditions outside.

A heavy shower of ice crystals prevailed along the surface around 8h, producing faint reddish parhelia of 22° and an upper tangent arc of 22°. The crystal haze was dense enough to make the sun appear faint and lower visibility to less than a mile. It is probable that St existed in a half formed state at this time also, for they nearly covered the sky a short time later.

Clearing with diminished winds in the afternoon and evening.

April 8, 1929.—Following a cloudless sky in the early morning, thin streamers of St cloud moved in rapidly from SSW at an altitude of about 40 m. Another layer of St—also rather thin—moved in from SSW at 10:45 at an altitude of about 800 m. This layer thickened steadily and visibility decreased decidedly when a light fog formed in the afternoon. A very light snow set in around 16h and continued during the evening.

April 9, 1929.—Very light snow fell intermittently during the night and in the morning. At 11h the sky thickened, a steady snow set in and the wind shifted to E. With the steady increase in wind, light drift began shortly after noon becoming steadily thicker as the afternoon progressed.

April 10, 1929.—The snow and drift eased up steadily in the early morning with rapid clearing of the high AS_t taking place after 6h. A few St (scarf) prevailed along the N horizon around 8h. The sun broke out from behind the AS_t at 9:30 and was bright during the balance of the day.

Steadily falling temperature after sunrise.

Estimated snowfall, 1 inch.

April 11, 1929.—Another fine, bright day.

A few scattered St (scarf cloud) prevailed along the N horizon during most of the day and a few StCu were also noted around noon. Falling ice crystals were present during the entire day producing some halo phenomena in which red was the sole color exhibited. The sun pillar was also pronounced whenever the sun was within several degrees of the horizon.

April 12, 1929.—A dull gray overcast day.

Fog formed in the early morning and became dense around 6h. After 7:30 the fog lifted slowly leaving thin St (ENE). A fairly thick layer of CiSt (SE) was visible around 10h but following this St moved in again and steadily thickened during the afternoon.

A few flakes of snow began to fall at 17:10.

April 13, 1929.—The temperature continued to rise during the night and during the day until it reached 4° F. in the evening, the highest which has been recorded since March 18.

The layer of St (NNE) thickened in the morning and a few flakes of snow began to fall at 12:35. A light snow fell throughout the afternoon becoming somewhat harder in the evening. NNE winds in the morning showed a tendency to veer toward E in the afternoon and evening. The St were heavy and low in the evening, a searchlight showing the ceiling to be approximately 200 ft. at 20h.

April 14, 1929.—Fresh to strong easterly winds stirred up considerable drift throughout the day easing up gradually in the evening. The drift was accentuated by loose snow already on the surface and by light falling snow.

A heavy layer of low St (ENE) was present throughout.

Water sky apparent along N and NW horizons in the evening.

April 15, 1929.—Continued overcast and threatening with a few flakes of snow falling after 9:50. Between 19h and 20:30 a moderately hard fall of large snowflakes took place; following this the clouds broke up temporarily and a few stars became visible. The sky again thickened late in the evening.

Moderate water sky visible in N and NW throughout.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930—Continued*

April 16, 1929.—Overcast during most of the day and threatening snow in the morning. Snow squalls could be observed falling from heavy dark St clouds along the edge of the barrier to the NW around 7 and 8h. A few flakes of snow fell between 8:30 and 12h.

The St began to break up at 19h.

April 17, 1929.—St moved in from SSW in the early morning and were thick and threatening for a time around 7h. Steady clearing took place after 8h and the sky remained cloudless during the balance of the day.

A tendency was shown toward colder weather throughout.

The lower limb of the sun just cleared the barrier horizon during the 2 hours at midday today.

Stars visible at 14:30.

April 18, 1929.—The CiSt began to break up slowly late in the afternoon allowing bright starlight during most of the evening.

April 19, 1929.—It will be exactly 4 months before the sun rises to view again here.

Faint paraselenae in evening.

April 20, 1929.—Steadily falling temperature and a bitterly cold easterly wind throughout.

A light snow fell from 8:15 until 16h followed by a rapid clearing of the St. Brilliant light from an almost full moon prevailed after 18h.

April 21, 1929.—Extremely cold in the morning with the lowest temperature recorded to date, -51.5°F .

A bank of high ACu clouds (small form) appeared in N and NE at 7h and advanced slowly overhead. Preceded by steadily lowering visibility after 10h, the temperature rose sharply after 11h. The sky thickened when St began to form until finally a moderate E wind¹ came on very suddenly at 13:15. A combination of drift, some light snow and fog with rising temperature then prevailed during the balance of the afternoon and evening. The moon was visible for only a short time near the NE horizon around 18h.

April 22, 1929.—Fresh E winds prevailed throughout, stirring up considerable drift. It is probable that light snow also fell up until 15h. A heavy overcast of St was present until 14h when the ceiling lifted to form a dark clearly cut layer of StCu. Rapid clearing took place after 18h which was followed by brilliant moonlight from a full moon in the evening.

The first bright lunar halo phenomena were present from 18 to 23h, apparently produced by falling ice crystals.

April 23, 1929.—The sky became overcast with CiSt in the early morning and it is probable that ASt or ACu were present also, since the moon was obscured at times.

A sheet of CiSt was present throughout the day and in the evening producing a bright lunar halo between 17 and 22h. A layer of ACu moved in from NW at 21h and covered the sky at 22h. Brilliant moonlight both in the early morning and in the evening. Faint corona (double band) at 20:30, produced by small ACu.

The east wind reached its peak around 4h; after this the velocity steadily diminished until noon when it became practically calm.

April 24, 1929.—A bitterly cold day, the thermometer sinking to 50° below at noon and continuing downward in the afternoon and evening to set another low record of -57°F . Brilliant moonlight in the evening.

The cold was accentuated by a biting SW wind which reached 15 miles per hour occasionally.

April 25, 1929.—Another bitterly cold day with the temperature sinking to another low record of -58.0°F . in the early morning. The afternoon was felt even colder than the morning for a biting ENE wind sprang up at noon and steadily increased in violence during the afternoon and evening. The wind began to pick up drift at 19h and shortly afterward a light snow began to fall.

An abrupt change took place at 15:30 when the visibility decreased and a thin layer of St moved in from NE covering the sky by 17h. The moon was faintly visible through the clouds until late in the evening. A faint corona was present until 23h.

April 26, 1929.—A moderate blizzard prevailed throughout the day. Light to moderate snow fell from a heavy dark overcast of St and the drift at times was thick enough to lower visibility to 500 ft. The wind fell off rapidly after 19:30 but light snow continued to fall during the balance of the evening.

April 27, 1929.—A clear quiet day but with much lower temperatures than yesterday.

A thin layer of St formed at 22h just above the surface where the wind shifted very suddenly to NW. Brilliant moonlight in the

¹ This wind was already present just above the surface at 10:46.

evening and now the moon is even fairly bright at midday in the twilight.

April 28, 1929.—Dark and threatening in the early morning with a moderately hard snow setting in at 8:15 and continuing until late in the afternoon.

Fresh ESE winds picked up considerable drift at times.

Rapid clearing of the St took place after 18:30 and brilliant moonlight prevailed in the evening.

Falling ice crystals produced lunar halo, paraselenae and upper tangent arc after 19:45.

April 29, 1929.—CiSt thickened in the morning until they entirely covered the sky by 10h. The cloud layer had all of the appearance and characteristics of the Ci type yet the pilot balloon at 11h entered some lower portions of the layer at 2,790 m. The overcast lowered somewhat around noon and became slightly threatening for a while but steady slow clearing took place in the afternoon.

Brilliant moonlight a. m. and p. m. with an auroral display brighter than usual.

Between 7 and 15h the twilight is still bright enough for moving about outside.

April 30, 1929.—Ci and ASt began to thicken in the early afternoon.

Preceded by rapidly diminishing visibility after 20h a thin layer of St formed at 21:30 and soon covered the entire sky. Increasing easterly winds at that time with light drift setting in.

Brilliant moonlight in morning; faint in afternoon and evening.

Stars are now visible at noon.

May 1, 1929.—Blizzard. Strong easterly winds, dense drift, moderate to heavy snow falling from a dark overcast of St cloud, and a phenomenal rise in temperature were features of the storm.

May 2, 1929.—After the severe weather of the past month the air was positively balmy and springlike today under the prevailing abnormally high temperatures.

There was a streaky patch of water sky along the NW horizon. An open lead was reported in the bay along the E barrier within a mile of the camp.

May 3, 1929.—The easterly winds of the past 3 days finally died out at midnight with the air remaining mostly calm until 11h. At that time a bank of fog appeared in S beneath a broken layer of StCu; a breeze set in from S and steadily increased in velocity, backing around to ESE just before 13h. With the oncoming of light fog the temperature showed a sharp and decided fall.

Light drift prevailed during the course of the afternoon with a light snow falling from a dense overcast of St. The St passed off at 18h to disclose a broken layer of StCu through which the diffused glow of a brilliant auroral display was visible. Partial clearing at 18:45 and another brilliant auroral curtain and arch at 22:10.

May 4, 1929.—A clear day. A few scattered Ci were the only clouds present during the day.

Falling ice crystals could be observed in the late afternoon and evening. There was a whitish column above and below the moon at 16:45, produced by falling ice crystals.

May 5, 1929.—A quiet cold day.

A fine view was had of the bay and sea from the edge of the barrier about 2 miles NNE of the camp at 10h. The bay is frozen over solidly in its entirety and the Ross Sea is also frozen as far as the eye could see in all directions although a long narrow strip of St cloud (raised sea smoke) was to be seen about 15 or 20 miles out, indicating open water.

A few scattered wisps of Ci were the only clouds observed during the day.

May 6, 1929.—A clear cold day with almost stationary temperature.

Scattered Ci were present during most of the day; it is now practically impossible to observe the direction of movement of high clouds.

May 7, 1929.—A clear cold day.

A shower of ice crystals formed in the morning continuing throughout the day.

Scattered St prevailed throughout, although some high ACu were noted around 8h.

May 8, 1929.—Clear and cold in the early morning.

A smooth layer of low St formed very quickly at 9h covering the sky in a short time. With the wind setting in from E and ENE, the temperature responded with another sharp rise. A light snow began to fall at 14h continuing during the balance of the afternoon and evening.

A temporary break in the St overcast occurred around 22h, stars becoming visible overhead at that time.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930—Continued*

May 9, 1929.—Light snow and rising temperature continued during the night with the wind backing to NE and finally to N.

At 13h the wind backed further and shortly after 15h settled in the W. Falling temperature accompanied the W wind and the first break in the St overcast came at 16h when the W horizon became clear. Further clearing followed but broken St continued to produce a hazy effect around the horizon in the evening.

The windshift today was an unusual one at this locality.

May 10, 1929.—A dark cloudy day with sharply fluctuating temperature.

Light snow fell from a low layer of St in the morning ending at noon when the St broke up to disclose an upper layer of CiSt. Thin St then prevailed during the balance of the afternoon and evening with stars visible overhead generally.

May 11, 1929.—Dark in the morning with light to moderate snow falling and fresh easterly winds picking up drift.

The overcast of St began to break up at noon but persisted in thin form during most of the afternoon and evening. Stars were visible overhead generally.

May 12, 1929.—A quiet clear day with CiSt prevailing. Thin St formed at 15h and continued throughout the evening although the stars were visible throughout.

May 13, 1929.—A clear quiet day.

A bank of CiSt was present along the NW and N horizon during the day, disappearing in the evening.

A band of heavy ACu stretched across the northern sky around 10h; no movement was visible.

May 14, 1929.—Continued clear quiet weather.

A few thin clouds (probably Ci and St) were present in the NW-NE in the early morning; after this the day was cloudless.

May 15, 1929.—Continued clear and cold.

A few wisps of Ci in the twilight hours and a few StCu in the evening were the only clouds observed all day.

May 16, 1929.—StCu appeared in S and SE in the morning and spread out over the sky. They were dark and thick in the SE during the afternoon, while the NW horizon remained clear throughout.

The StCu broke up rapidly after 19h and passed off to the NE.

May 17, 1929.—An overcast of low St was present until late in the afternoon when they broke up and disappeared.

Clear in the evening with bright moonlight from a quarter moon near the horizon.

A narrow streak of water sky was observed along the N and NW horizons as long as the St layer prevailed.

May 18, 1929.—Clear and cold in the morning but with sharply rising temperature in the afternoon when the wind set in from ENE and E.

StCu moved in late in the afternoon and continued during the evening, although with the moon visible generally.

May 19, 1929.—A dark overcast day with occasional snowflakes falling. A narrow rim of water sky was visible along the N and NW horizons.

A break in the St occurred after 17h allowing bright moonlight through the thin clouds in the evening.

May 20, 1929.—A thin layer of St was present in the morning clearing away shortly after noon. St again formed at 16h however, and a light to moderate snow set in at 17:50 which continued throughout the evening. The St overcast was thin and the moon was faintly visible until 22h.

Barometer low and settling rapidly in the afternoon and evening.

May 21, 1929.—Clearing of the St took place in the early morning and bright moonlight and a clear sky followed around 8h with indications of a fine day, since the temperature had fallen considerably and the wind settled in SW.

Thin St again began to form around 9h and at 9:45 the balloon showed a strong N and NNW wind just above the surface. This N wind set in on the surface at 11:10 accompanied by a sharp rise in temperature, thickening of the St (moving rapidly from NNE) and by light snow in the afternoon (moderate sized flakes).

The moon was faint to bright through the St layer throughout the day.

May 22, 1929.—Another overcast day but with the moon faint to bright through the thin layer of St (NNE-N). A very light snow fell at intervals.

A brilliant corona of two rings was produced by the moon and the thin St cloud at 21:30.

May 23, 1929.—Continued dark and overcast with the moon only faintly visible at wide intervals.

A light snow fell intermittently in the morning from the layer of St. A thin band of water sky was visible along the N horizon.

May 24, 1929.—A faint 22° lunar halo was observed at intervals between 1 and 9h.

Continued dark and overcast with a light snow falling at intervals in the morning.

A thin layer of St (heavier in N) was present throughout most of the day with a heavy layer of CiSt visible above, a combination which allowed faint moonlight generally. Between 5 and 6h the CiSt were arranged in parallel bands radiating from the N horizon and extending across the sky.

The narrow rim of water sky which has prevailed along the N horizon for the last several days was again present in the morning. Today however, it steadily became more prominent until at 14h it stretched from ENE to an altitude of 25° in N and thence around to WNW. The darkest section was in the NNE.

May 25, 1929.—An unsettled day with light drift after 9:30 and frequent changes in the sky.

A layer of St (NE) was present during most of the day although with temporary breaks around 8 and 14h. Light snow fell in the early morning and again in the evening.

A combination of CiSt and a shower of ice crystals produced a bright 22° lunar halo for a short time at 8h. A fainter halo was observed between 22:30 and 23:30.

The temperature continues moderate.

May 26, 1929.—Continued abnormally mild in the morning but with rapidly falling temperature after 8h.

A moderately thick layer of CiSt was present until evening with another thin layer of St moving underneath at intervals. Faint to bright moonlight prevailed throughout and a 22° halo was visible at intervals after 1:30. At 14h a faint whitish arc of 270° was observed along with very faint parhelia.

The winds were gusty between 8:30 and 17:30, seeming to blow in a series of waves at intervals of varying duration. Between 8 and 11h the wind fluctuated alternately between E and SSE always blowing harder from E.

May 27, 1929.—CiSt were thick in the early morning, especially around 3h and were generally arranged in bands running from N to S. These clouds passed off to the W horizon after 5h and the balance of the morning was clear with brilliant moonlight and the lowest temperature since the 18th.

A sudden and decided change occurred at noon: Wind setting in from E, a very sudden formation of a thick St layer and steadily rising temperature. With increasing wind in the late afternoon drift set in and was mixed a little later with falling snow. The wind and snowfall increased late in the evening.

May 28, 1929.—Continued unsettled, mild weather with snow and drift prevailing generally. Moderate snow fell in the morning, ended around midday when the St overcast passed off to the W and again fell in the evening when the sky thickened once more.

A narrow rim of water sky was visible along the N horizon in the evening.

May 29, 1929.—A persistent light snow fell during the day ending late in the evening when the St gave way to Ci. The snow continued to fall even during the occasional intervals when the sky cleared and there was bright moonlight.

At 21:30 there was an unusual combination of falling snow, bright moonlight, a bright 22° lunar halo and an auroral streamer. The halo was bright whitish in appearance, had an arc of 180° and continued until just before midnight.

May 30, 1929.—Clearing in the early morning with colder weather than has prevailed for several days.

A layer of thin St persisted through the morning, however, and finally thickened again in the afternoon. Another light snow soon set in and continued during the afternoon. The moon was faintly visible at most times and became bright in the evening.

21h. Paraselenae and lunar pillar; CiSt near horizon.

May 31, 1929.—Another dark overcast day with a few snowflakes falling at intervals in the afternoon and evening. A few stars were visible overhead at times but the moon being nearer the horizon was obscured throughout.

CiSt were present along the horizon in the early morning.

June 1, 1929.—Overcast in the morning with a light snow falling. A sudden clearing of the St occurred at 13h, the sky remaining clear until 16:30 when a layer of StCu moved in.

Moderate ESE winds during the day increased steadily in the evening with thick drift setting in.

June 2, 1929.—A dark overcast day with light snow falling until late in the afternoon. Considerable drifting in the early morning. The St layer cleared away quickly after 21h.

June 3, 1929.—A clear calm and cold day with the lowest temperature since April 25.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930—Continued*

Falling ice crystals produced a bright lunar pillar in the early morning. Brilliant starlight.

A few Ci along the NW horizon were the only clouds noted during the day. A haze formed around the entire horizon in the evening with the wind showing a tendency to set in from NE.

June 4, 1929.—Fresh easterly winds in the early morning backed very suddenly at 7:30 to NE and became stronger. A pilot balloon ascent shortly afterward showed a pronounced NNE drift above also, yet the sky remained clear during the entire day. The wind shifted gradually around to E after noon and the temperature, which had shown a sharp rise in the morning, began to fall again.

The barometer rose sharply during the day.

June 5, 1929.—Falling temperature in the morning with strong SW winds picking up considerable drift between 3 and 5h.

Light NE winds in the afternoon shifted suddenly to SW at 21:30, increasing somewhat, became SSE at 22:30 and finally shifted to E at 23:30, increasing immediately in velocity and another blizzard was in progress. The usual sharp temperature rise had already set in at 19h.

June 6, 1929.—A midwinter blizzard with the strongest wind and the highest temperature since the middle of March.

The temperature rise amounted to 65° in 20 hours. Snow fell until 9:15 when the St began to break up and disclosed a heavy layer of StCu above. A pronounced water sky was visible from NW to NE at this time. Strong SE winds shifted to S at noon and strong gusts of wind continued during the afternoon but diminished somewhat in the evening.

The S wind in the evening was very shallow.

June 7, 1929.—Relatively low temperature and a clear sky prevailed in the early morning with the wind settled in S. A sheet of CiSt and AST moved in at 9h and continued until late in the afternoon when a thin layer of St formed. Snow began to fall at this time and a strong N wind set in very suddenly, picking up considerable drift. This was accompanied by a marked temperature rise.

Clearing after 21h.

June 8, 1929.—A clear day with bright starlight except for a short period in the early morning when light snow fell from an overcast of St.

The temperature continues moderate.

June 9, 1929.—An unsettled day with continued high temperatures.

CiSt thickened in the morning and were accompanied by thin St after 7h. The wind set in from E at 7h and increased steadily in velocity. Light snow set in just before 10h, continued until 16h, when the sky cleared up suddenly and then set in again in the evening when another thick layer of St moved in.

June 10, 1929.—Continued unseasonably mild temperature and with a steady light to heavy snow falling throughout. Stars were visible during most of the day through a thin broken layer of St and apparently of CiSt above. Two inches should be a conservative estimate of the snowfall.

June 11, 1929.—Continued abnormally mild with a light snow falling in the early morning and continuing until 9:45 when it changed to a light mist. Several experiments were tried before this extraordinary phenomenon of a midwinter Antarctic rain could be recorded as an actuality. The handle of a shovel was placed in the snow with the metal exposed and a thin layer of coarse whitish granulated ice formed upon this during the course of an hour. A flashlight was then placed in the snow to chill it and when turned to windward, minute water droplets were observed to collect upon the glass face. In the bright beam of the light the mist particles were noted to be falling at an angle of approximately 45°. Rime formed at a rapid rate during the afternoon and evening. At 14h a length of galvanized iron wire (0.03 inch in diameter) held a wedge shaped tentacle of rime 1½ inches long and by 17h this had increased to 2½ inches. Other objects such as skis, radio masts and a theodolite held projections as much as 3 inches in length.

The St layer was very thin since stars were visible at almost all times.

June 12, 1929.—A clear calm day.

The wind average today was the lowest which has been recorded here to date.

The heavy coating of rime remained on all exposed objects throughout the day and a very thin crust was noticeable on the barrier.

June 13, 1929.—Clear in the morning with lower temperature than has been recorded since June 7, although still well above the apparent normal for the season.

Thin St began to form at 8h and thickened in the afternoon when a steady light snow set in.

June 14, 1929.—A dark overcast day with a moderately heavy fall of light, fluffy snow. A thick layer of St was present throughout. Continued moderate temperature.

June 15, 1929.—Dark and overcast in the morning.

The St layer began to break off and pass to the N after 13h. Brilliant moonlight in the evening with a faint 22° lunar halo at 19h.

The temperature has begun to fall at last until in the evening it was approximately normal for the first time in 11 days.

June 16, 1929.—A fine clear day with a faint twilight at noon and bright moonlight after 10h. The moon was again fantastically distorted by refraction when it rose above the horizon at 9h. It appeared much smaller than normal and seemed to be six sided instead of circular.

Scattered Ci and St clouds prevailed along the NE horizon during most of the day. The CiSt began to thicken late in the afternoon and produced a faint 22° lunar halo during most of the evening.

June 17, 1929.—An overcast day with abnormally high temperature. Light snow fell in the early morning and again around noon. The overcast was a smooth uniform layer through which the moon could just be discerned and it is probable that it consisted of a moderately thick layer of CiSt, some AST below, and St were also observed off to the N throughout. A pronounced water sky extended from NW to NE.

A very faint 22° lunar halo was visible at times in the evening.

Wind gusty and unsteady throughout.

June 18, 1929.—Another dark overcast day with light to moderate snow falling throughout.

A strong water sky prevailed along the NW to NE horizon in the morning, became fainter around 14h, disappeared late in the afternoon, and then reappeared late in the evening.

Continued moderate temperature.

A break in the St around noon disclosed two heavy upper layers of AST and CiSt through which the quarter moon was just visible. The St closed in again at 13:30.

June 19, 1929.—Another dark overcast day. Light snow fell in the early morning, but after the wind shifted to NE at 5:15, the fall became heavier and moderately heavy snow then fell until late in the afternoon. With the high temperature and comparatively light wind in the afternoon the snowflakes were unusually large, single hexagonal crystals measuring as much as 0.3 inch in diameter and other complex flakes being still larger.

The snow ended up with a very light mist between 18:30 and 21h which formed a thin transparent coating of ice upon exposed objects.

Moon faintly visible at times.

June 20, 1929.—Continued overcast with a light snow falling around midday. CiSt in the early morning produced a 22° lunar halo between 1 and 14h. St formed around 4h and continued during the balance of the day. A water sky prevailed in the N between midnight and 8h. The moon was faintly visible at times.

June 21, 1929.—Continued unsettled with moderate temperature and a light to moderate snow falling gently in a light wind during most of the day.

A heavy layer of CiSt prevailed at most times although AST were also numerous. It appeared as though the snow was falling from the CiSt in the morning. The full moon was faint to obscured during the day but brilliant moonlight was present in the evening when the sky cleared up.

A faint 22° lunar halo was observed at 4h. At 8h the CiSt were arranged in parallel bands running from ESE to WNW.

June 22, 1929.—Continued overcast and with moderate temperature. A sheet of CiSt prevailed in the morning producing a faint 22° lunar halo around 4h. In the afternoon and evening a smooth sheet of high AST covered the sky. Light water sky visible in N and NW in the evening.

June 23, 1929.—Continued overcast and with moderate temperature. The moon was visible at most times through the layers of AST and CiSt.

A 22° lunar halo was noted at 7:30 but a much brighter one prevailed in the evening from 18h to midnight. CiSt and AST in the evening had a moderately rapid movement from NNW.

A faint water sky was apparent at most times in NW and N.

June 24, 1929.—Continued overcast and with moderate temperatures. A steady light snow fell during most of the day, fairly large hexagonal crystals which accumulated to a depth of ½ inch in the evening.

The moon was faintly visible at times during the day while during a temporary break in the sky around 22h brilliant moonlight prevailed. St again closed in at 22:30.

TABLE 39.—*Meteorological notes at Little America, February 18, 1929, to February 19, 1930—Continued*

June 25, 1929.—A midwinter blizzard set in shortly before noon and came from a very unusual quarter, NE. A gale with gusts exceeding 40 m. p. h. at times continued throughout the afternoon and early evening, easing up after 20h.

The sky remained overcast throughout with a light to moderate snow falling. The drift today from the NE built up the level of the barrier considerably, since it filled in all of the hollows which existed between the parallel ridges formed in previous ESE and E drift.

June 26, 1929.—Partial clearing in the early morning followed a shift of wind to N, but another layer of St was present at 7:30 and continued during the day. This layer of cloud began to break up late in the evening and intermittent bright moonlight prevailed up to midnight.

A faint 22° lunar halo was observed in the early morning.

A marked rise in pressure began about 1h and continued all day.

June 27, 1929.—A single faint auroral band extending from NW-SE was observed at 9h and was the first auroral form to be seen in 11 days.

St thickened in the afternoon with light snow and drift setting in at 18h and continuing throughout the evening.

June 28, 1929.—Continued overcast and dark with light snow and drift in the morning. Nearly constant temperatures.

June 29, 1929.—Partly cloudy in the morning with a very light fall of minute snow crystals. The Ci and ASst cleared off rapidly after 11h and the afternoon and evening were clear with falling temperature. Falling ice crystals were visible in the beam of a light in the afternoon.

A faint 22° lunar halo was observed between 3:30 and 4:30.

June 30, 1929.—Ci and ASst appeared around 6h and gave way to broken St in the afternoon and evening. Rapidly clearing of the St took place just before midnight with a sharp fall in temperature setting in at the same time.

A light fall of minute snow crystals occurred in the afternoon and evening.

July 1, 1929.—The sky was clear throughout with brilliant starlight and a faint glow of dawn at midday. A few Ci in the N were the only clouds observed during the day.

July 2, 1929.—Continued cold.

This was the first absolutely cloudless day since February 19.

July 3, 1929.—A severe day with low temperature and strong wind. Cloudless in the early morning followed by a smooth cloud layer of either St or ASst at 9h and a light flurry of snow pellets. Clearing then set in accompanied by an increase in wind velocity.

July 4, 1929.—A clear and cold day.

A brief easterly breeze sprung up at noon and raised the temperature somewhat, but calm and falling temperature again set in at 14:15.

Scattered Ci were visible in N during most of the day.

July 5, 1929.—Continued clear and cold in the morning with light winds. Scattered wisps of Ci gave way to a thick layer of St which formed very quickly at 14h. The light SW wind shifted suddenly at 15:15 to SE, the velocity increased almost immediately to 30 m. p. h. and another blizzard was in progress.

The blizzard became severe in the evening, moderately heavy snow falling and adding to the density of the drift picked up by the gale which reached a maximum velocity of 54 m. p. h. at 22:03.

A sharp rise in temperature and a phenomenal fall in pressure were other features of the storm.

July 6, 1929.—The wind shifted to S at 1:15 and diminished in intensity but increased again. Blizzard conditions prevailed during the morning but the wind fell off abruptly at noon and the sky cleared up at the same time.

July 7, 1929.—A rapid formation of St and a shift in wind to NE at 5h resulted in light snow and a sharp rise in temperature. As the wind diminished at 10:30 the temperature again fell and the balance of the day was clear, cold, and calm. A few Ci and ASst were visible along the N horizon in the afternoon.

July 8, 1929.—Continued clear and cold.

July 9, 1929.—An extremely cold day with the temperature reaching -70° F. for the first time; winds light.

Slight cracking noises were heard repeatedly in the evening and were probably due to contraction of the bay ice.

July 10, 1929.—Continued clear, calm, and cold.

July 11, 1929.—Continued cold and with fresh SW winds which made the day a severe one.

A haze prevailed along the horizon all day through which the crescent moon was faintly visible in the afternoon and evening.

July 12, 1929.—Continued clear and cold.

Scattered Ci and ASst were present during most of the day. Crescent moon bright in the afternoon and evening.

July 13, 1929.—Continued clear and cold until the early evening when the temperature rose and CiSt thickened to produce a bright 22° lunar halo, upper tangent arc, paraselenae and a lunar cross. A very light snow, probably extremely minute frost crystals, fell at intervals in the evening. Bright moonlight from a half moon in the afternoon and evening.

July 14, 1929.—The CiSt thickened in the early morning and a thin layer of St evidently formed at the same time. Very light snow fell until 3:30 with moderate E winds and rising temperature. Mostly clear during the balance of the day except for a period early in the evening when the CiSt thickened. Another bright 22° lunar halo was observed from 17 to 21h. Bright moonlight after 10h.

July 15, 1929.—Another fine day with a thin film of Ci cloud producing a bright lunar halo around midday.

Barometer unsteady.

July 16, 1929.—A haze of falling ice crystals prevailed in the afternoon and evening. Brilliant moonlight throughout with a thin film of Ci (combined with the ice crystals probably) producing a bright 22° lunar halo.

July 17, 1929.—Continued clear and cold with brilliant moonlight.

A bright 22° lunar halo and paraselenae were observed between 3:30 and 8h. Thin Ci which were present in the early morning disappeared at 10h leaving the balance of the day cloudless.

The haze of falling ice crystals continued until 6h when the air cleared up considerably and the sky and horizon became unusually clear.

July 18, 1929.—A moderately heavy layer of St moved in rapidly from ENE at 7:35 covering the whole sky within a few minutes. The sky continued overcast with the moon showing faintly at times, a very light snow and drift occurring around midday, until 17:30 when the sky cleared up quickly.

Brilliant moonlight again prevailed in the evening producing an unusually bright 22° lunar halo and upper tangent arc. Either very thin and transparent Ci or falling ice crystals produced the halo.

July 19, 1929.—SW winds and scattered Ci in the early morning were followed by a windshift to W at 7:30, a rapid formation of St and by a sharp rise in temperature.

The St continued dark and heavy until late in the afternoon when they lifted to form a broken layer of StCu which had a moderately rapid movement from SW. A brilliant lunar corona was visible occasionally until 20h when rapid clearing set in. Brilliant light from a full moon after this time.

Marked water sky from NE to W along the immediate horizon around midday.

July 20, 1929.—A dark overcast day with light to moderately heavy snow falling in the morning and with maximum temperature above zero.

A narrow rim of water sky was again visible along the N horizon in the afternoon.

July 21, 1929.—A colder day but fairly pleasant throughout with diffused moonlight of the full moon through layers of CiSt and thin St cloud.

A faint 22° lunar halo was produced by the CiSt occasionally in the morning while in the afternoon the thin St resulted in a bright lunar corona.

July 22, 1929.—CiSt in the morning were followed by a formation of St which moved in rapidly after 12:30. The moon was obscured after 13:15.

A 22° lunar halo, paraselenae and an upper tangent arc were observed at 8h.

July 23, 1929.—An unsettled day with a high layer of CiSt prevailing and with low layers of St at times.

Moonlight was mostly faint to bright.

July 24, 1929.—Cold until 18h when a thick layer of StCu formed. A NE wind set in and the temperature rose rapidly.

July 25, 1929.—Scattered CiSt and ASst in the morning were followed by a heavy layer of St in the afternoon. Increasing S winds and steadily falling temperature in the late afternoon with a fine snow falling. The snow crystals were minute but sharp and "icy." It is possible that this "snow" was the remnant of some drift which had been carried in the air by the wind from some distant locality yet the dense overcast would favor the belief that it was actually precipitated snow.

Water sky observed in N around 4h.

July 26, 1929.—A clear, cold day.

Gusty SW winds which occasionally picked up light drift in the morning shifted to W in the afternoon.

A bright lunar cross and 22° lunar halo were observed in the evening after 22h (photograph taken).

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930—Continued*

July 27, 1929.—Continued clear and cold.

Calm until 10:10 when a gusty SW wind sprang up which continued during the afternoon.

Broken layers of CiSt and StCu appeared at 8h but slowly passed off around noon.

July 28, 1929.—A clear, calm and cold day with the temperature reaching another low mark of -72.4° in the evening at 21:30.

July 29, 1929.—A disagreeable day.

A heavy layer of St moved in after 7h with a biting easterly wind and with light snow in the afternoon.

Clearing set in at 18:30 but the horizon remained thick and hazy in the evening with a water sky showing in N after 21:30.

July 30, 1929.—A severe blizzard set in very abruptly after midnight.

Heavy snow fell and the temperature rose sharply to -5° , highest reading of any day this month except the 20th.

The blizzard ended abruptly at 9:30 but was renewed spasmodically from the S during the balance of the day.

July 31, 1929.—Snow began to fall at midnight and continued unusually heavy throughout the entire 24 hours. It was one of the heaviest falls we have seen here so far.

Strong E winds in the morning backed to NE late in the afternoon and the temperature rose well above zero. A dense low overcast of St was present throughout.

Temperature range of 82° in 3 days.

August 1, 1929.—Moderate to heavy snow fell from a dark thick overcast during the day, finally ending in the evening. This evening the barrier is a series of bare hard spots and deep drifts of loose soft snow. The snowflakes today were hexagonal and averaged $\frac{1}{8}$ inch in diameter.

A mist began to fall at 20:45 and continued until 22h producing a thin, transparent coating of ice upon all exposed wood and metal. As on June 11 the water droplets were falling at an angle of about 45° and were plainly visible on the face of a flashlight.

Temporary break in St overcast at 22:30.

Abnormally mild throughout.

9.5 inches of snow in 3 days; the heaviest fall we have experienced so far. The coldest period of the entire winter has been followed by the severest blizzard and the heaviest snowfall of the year.

August 2, 1929.—A partly cloudy day with strong E and SE winds which picked up considerable drift.

A bank of heavy StCu which was observed in the E, SE, and S in the morning advanced slowly overhead in the afternoon and covered the sky in the evening.

Faint water sky in N between 18h and 24h.

Continued abnormally high temperature.

August 3, 1929.—Light snow continued to fall in the morning, apparently from a high layer of Ast or CiSt. Layers of Ast and CiSt continued until early in the afternoon when slow clearing set in.

A water sky was visible in N between 9h and 13h.

Colder today yet still abnormally mild.

August 4, 1929.—A cloudless sky in the early morning was followed by a rapid onset of St cloud at 7h. The St layer continued during the balance of the day. A hard driving snow set in at 19:40 and fell thereafter throughout the evening.

August 5, 1929.—Continued overcast and with slight snow falling generally. A temporary break in the St overcast occurred at 19:30 but they began to thicken once more just before midnight.

A dark water sky was visible along the immediate N horizon in the afternoon and again late in the evening.

Continued moderate temperature.

August 6, 1929.—A cloudless sky in the early morning was followed by a rapid formation of St at 8h and the balance of the day was dark and overcast. Light snow fell from 7:30 to 13h.

A pronounced water sky was visible in NW, N, and NE in the afternoon.

The shallow S and SSW surface winds continue.

August 7, 1929.—Cloudy in the early morning with a little light snow and a water sky in N. Clearing in afternoon.

Between 9h and 14h wisps and streamers of very thin St were observed in peculiar action at an altitude of about 100m. At 10h the clouds along the NE to NW horizon were moving rapidly from ESE at an indicated velocity of 20 m. p. s. while the clouds directly overhead at the same altitude and at the same time were dead calm.

August 8, 1929.—A fine clear day with fairly strong twilight between 8 and 14h. The first faint glow of dawn now appears at 6h and continues until 16h. Total darkness prevails at other hours.

The crescent moon was visible in the afternoon.

August 9, 1929.—Another fine day with light winds.

At 15h Ci clouds spread out from the N horizon in the form of a fan. Thin Ci were present most of the day but disappeared in the evening.

The moon and falling ice crystals produced paraselenae and a lunar pillar between 20h and 22:30.

August 10, 1929.—A calm day; clear and cold until 15h when a thick layer of St formed very quickly and the temperature rose at an extraordinary rate considering the fact that the air was almost calm.

Continued overcast in the evening with a light fog forming after 19h.

August 11, 1929.—A dark overcast day with a steady light snow falling. A layer of St in the morning gave way to a sheet of Ast at 10h. These clouds continued during the balance of the day, passing off rapidly at 21:15.

Moon faint in the afternoon and bright after 21h.

August 12, 1929.—A thin layer of St in the early morning gave way to a layer of fibrous Ci around 10h. The Ci passed off slowly in the afternoon giving brilliant moonlight throughout the evening. Slight deposit of rime in the morning.

Growing steadily colder after 8h.

August 13, 1929.—A cold day; clear except for a period in the morning when a layer of St prevailed.

A bright 22° lunar halo was observed around 2:30 with paraselenae, upper tangent arc and lunar cross. A corona was also noted at times.

August 14, 1929.—Clear and calm in the early morning was followed at 6:30 by a rapid formation of St, light easterly winds, and light snow.

At 9:30 an abrupt windshift from E to NW took place, the wind becoming stronger and finally settling in the N. Light snow continued and the N wind brought in great billows and waves of dense fog. Fog and drift reduced visibility to zero at times but rapid clearing took place after 11:30.

A 22° lunar halo and a corona in the early morning.

August 15, 1929.—A thin layer of St in the morning began to break up just before noon and disclosed a broken layer of Ast moving from NNE. A sheet of CiSt moved in late in the afternoon (probably with thin Ast beneath) and produced an unusually bright 22° lunar halo in the evening.

Light snow set in at 22:30. Faint water sky in N in the evening. Strong ESE winds just above the surface in the evening.

Steadily falling barometer.

August 16, 1929.—A blizzard set in abruptly at 1:20 and continued unabated through the balance of the day. The gale began from SE but worked around to NE and E in the afternoon; considerable snow fell and dense drift filled the air.

The barometer continued to fall until a minimum of 27.82 inches (station) was reached at 11h.

August 17, 1929.—Blizzard conditions continued in the morning, let up suddenly in the afternoon and then set in again with renewed vigor late in the evening.

August 18, 1929.—Severe blizzard conditions continued during the morning with the wind easing up and the sky breaking up slowly after 12h.

A secondary fall in pressure during the night was followed by a steep and decided rise during the day.

August 19, 1929.—Continued cloudy and abnormally mild.

St in the morning were followed by StCu in the afternoon and by Ast and CiSt in the evening.

August 20, 1929.—A thin layer of Ci was present throughout the day. Conditions being ideal for refraction the sun was visible at noon from the top of the radio towers—2 days before it actually rises above the true horizon.

A light fog formed quickly at noon and continued during the rest of the afternoon producing a moderate coating of rime.

A very faint 22° lunar halo, and paraselenae were visible late in the evening. A corona was observed early in the morning and again late in the evening.

August 21, 1929.—Ast thickened after 6h and continued until late in the afternoon when they gave way to a layer of St.

A light fog formed for a short time late in the afternoon.

Continued moderate temperature.

August 22, 1929.—Ci and Ast began to clear away after 9h affording an excellent view of the returning sun. The sun was well over the horizon at noon when seen from the bay ice.

Lower temperature today with a biting SW wind which made the day a severe one.

August 23, 1929.—Continued low temperature but lighter winds than yesterday.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930—Continued*

- August 24, 1929.—Continued clear, calm and cold.
A shower of ice crystals in the morning cleared away at noon.
A few Ci at noon were the only clouds observed.
- August 25, 1929.—Continued clear, calm and cold.
A shower of ice crystals was present during most of the day.
- August 26, 1929.—Continued clear, calm, and cold.
A few Ci along the NW horizon around noon were the only clouds observed all day.
The snow covering on the new ice which formed at the mouth of the bay last March at present ranges from 4 to 6 inches and is as firmly packed as the barrier snow. The sea today was covered with ice as far as the eye could see (Paul Siple).
- August 27, 1929.—A calm, cold day.
Thin CiSt were present during most of the day.
- August 28, 1929.—CiSt in the morning were followed by rapid formation of thin St at 11h. A very light snow began at 16:45 and continued through the evening.
- August 29, 1929.—A dark overcast day with a very light snow falling constantly.
A layer of St was present throughout the day although occasional breaks in the cloud showed another sheet of ASt above.
Much higher temperatures.
- August 30, 1929.—A layer of low ASt was present during the day but passed off quickly after 19h.
A very light fall of snow around midday.
- August 31, 1929.—A cold day. A few Ci were the only clouds observed.
- September 1, 1929.—Continued cold.
Practically dead calm throughout with extraordinary conditions of audibility. In the afternoon the footfalls of men more than a mile away over the barrier were plainly audible, while their voices (in an ordinary tone of conversation) were discernible almost to the point of hearing a complete conversation.
A moderate contraction noise in the barrier was heard to the north at 15h.
- September 2, 1929.—A cloudy day with slowly rising temperature.
ASt (ENE) and StCu (ENE) gave way to a solid sheet of St in the afternoon.
A very light snow fell between 8:30 and 9:30.
- September 3, 1929.—Continued cold. ASt and St passed off gradually after 9h but a combination of light fog and falling ice crystals continued.
- A faint 22° solar halo and parhelia were observed at 12:15.
- September 4, 1929.—Continued clear and cold and with excellent visibility.
Scattered CiSt (NE) were present during most of the day.
- September 5, 1929.—A dark, overcast day with a light snow falling in the morning. A sharp rise in temperature during the day was followed by clearing and colder in the evening.
A layer of St was present during the day.
- September 6, 1929.—St and StCu in the early morning passed off rapidly to the eastward after 8:30, leaving the sky beautifully clear during the balance of the day.
Rapidly falling temperature and a biting SW wind.
Between 15 and 17h unusual formations of St cloud were observed near the NW horizon. Small isolated parts of clouds were bunched up into "whalebacks" while all around them ran curling wisps and streamers.
- September 7, 1929.—A clear day with continued cold.
A heavy layer of St moved in rapidly at 20:55, obscuring the moon and stars within a short time. Scattered CiSt were present during the day.
- September 8, 1929.—Light drift in the early morning with an E wind.
Rapid clearing of the St and StCu took place after 10:30 leaving the balance of the day clear.
Rapidly falling temperature after 10h, becoming bitterly cold in the afternoon and evening.
Falling ice crystals produced bright parhelia and an upper tangent arc of 22° around noon.
Moon bright in the evening.
- September 9, 1929.—Continued clear and cold.
Falling ice crystals produced bright parhelia and a faint upper tangent arc of 22° at 11h.
A bank of CiSt appeared in NE just before noon and continued during the afternoon and evening. In the evening they were arranged in bands running from N to S. Their probable movement was from NW.
- September 10, 1929.—Continued clear and cold.
Scattered patches of ASt (SSW) were the only clouds observed during the day.
- Bright moonlight in the evening.
- September 11, 1929.—Continued clear and cold.
A few ASt (SW) in the morning and some curls and streamers of low St (S) in the afternoon were the only clouds observed during the day.
Bright moonlight during the hours of twilight.
- September 12, 1929.—Continued clear, calm and cold.
A heavy shower of ice crystals in the morning cleared up gradually after 10h. Bright moonlight in the evening.
Faint twilight tonight at midnight.
- September 13, 1929.—Increasing easterly winds in the early morning with light to moderate drift prevailing during most of the day. The relatively warmer air blowing over the cold barrier caused a formation of fine powdery rime along the surface.
Clearing in the evening with bright moonlight.
- September 14, 1929.—Clear and continued cold.
Bright moonlight during the hours of twilight.
- September 15, 1929.—Continued cold.
A broken layer of CiSt was present during most of the day, producing a bright parhelia at 14h, and a 22° lunar halo, paraselenae, and an upper tangent arc at 20:30.
- September 16, 1929.—Continued cold.
The layer of ASt in the morning gave way to a smooth sheet of CiSt in the afternoon and evening. The immediate S horizon remained clear in the afternoon.
A faint 22° solar halo was observed around 14h and a bright 22° lunar halo during the evening.
- September 17, 1929.—A biting easterly wind set in suddenly at 11:15 and continued throughout the afternoon and evening, picking up considerable drift along the surface.
Broken CiSt and ASt during the day gave way to a heavy layer of St at 21h. Light snow began to fall at 23h.
Water sky in N late in evening.
- September 18, 1929.—Blizzard conditions in the early morning especially between 4 and 6h, and a marked rise in temperature.
The previous cold spell was the most protracted one experienced here so far.
A heavy layer of ASt continued during the afternoon and evening. Pronounced water sky extended from WNW to NE and up to an elevation of 30° in the afternoon.
A faint 22° lunar halo late in the evening.
- September 19, 1929.—A fine clear day but with a fresh SW wind.
Patches of Ci and ASt were present during most of the day. Some lenticular ASt were observed to the NW at 16h.
Falling ice crystals produced bright parhelia, an upper tangent arc and a 22° solar halo between 13:30 and 16:15.
Bright moonlight in the evening.
- September 20, 1929.—A dark overcast day with light fog in the afternoon followed by light snow in the evening.
CiSt in the early morning produced a faint 22° lunar halo, paraselenae and lunar cross.
St moved in at 5h and continued throughout the day.
A pronounced water sky was visible along the N horizon after 7h.
- September 21, 1929.—Another dark overcast day with moderate temperature.
A layer of St was present throughout with the pronounced water sky continuing in the N.
- September 22, 1929.—A cold day.
Rapid clearing after 6h was followed by a cloudless sky until noon when a low layer of St moved in from SSW and soon covered the sky. These clouds passed off at 16:30 as quickly as they had moved in.
- September 23, 1929.—A cold overcast day with a very light snow in the morning. A layer of St moved in rapidly at 4h and continued during the balance of the day.
Considerable open water was observed by Sverre Strom from the old barrier cache in the afternoon. The usual water sky was observed here at the same time.
- September 24, 1929.—Clearing in the early morning was followed by a layer of ASt which moved in from SE just before noon and covered the entire sky late in the afternoon. A water sky was observed early in the evening but faded out after 21h.
A faint 22° solar halo was noted around 14h.
Continued moderately cold.
- September 25, 1929.—A cloudy day with fresh easterly winds and light drift. Continued cold.
A layer of StCu (N) gave away to ASt late in the afternoon.
- September 26, 1929.—A clear quiet day with continued low temperature.
- September 27, 1929.—Continued clear and cold.
- September 28, 1929.—Continued clear and cold.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930—Continued*

<p>September 29, 1929.—Continued clear and cold with light wind.</p> <p>September 30, 1929.—A layer of St formed at 4h when the surface wind settled in the east. No movement was visible at first but at 9h they had taken on a decided drift from the north. Slowly rising temperature was followed at 12:30 by a shift in wind to N and a sharp rise in temperature.</p> <p>Increasing wind with snow and drift in the afternoon and evening. Light fog occurred at 8h; temperature -47° F.</p> <p>October 1, 1929.—Moderate blizzard conditions in the morning with a steady snow persisting throughout the twenty-four hours. St prevailed but the cloud layer lifted somewhat around midday to form a dense sheet of StCu. A dark day.</p> <p>October 2, 1929.—StCu gave way to CiSt and ASt at 8h with bright sunlight prevailing most of the day.</p> <p>Bright parhelia and a faint 22° solar halo between 6 and 9h and again for a short time around 16h. Falling ice crystals (visible against the sun) were probably the agent of refraction and not the CiSt cloud.</p> <p>A cold day.</p> <p>October 3, 1929.—StCu gave way to St and a light fog in the early morning. Rapid clearing of cloud and fog after 8h was followed by a bright clear day.</p> <p>Steadily falling temperature after 8h becoming decidedly cold again in the evening.</p> <p>Sixteen hours of sunlight now from 4 to 20h, with a strong twilight at midnight.</p> <p>October 4, 1929.—Clear and continued cold.</p> <p>Siple and Bursey reported the sea completely open off the mouth of the bay this afternoon. At the edge of the bay ice and the sea (opposite West Cape) a solid curtain of dense fog or "sea smoke" rose to a height of perhaps 150 feet.</p> <p>The bay is broken up from one end to another into lines of tremendous pressure ridges, some as much as forty feet in height.</p> <p>October 5, 1929.—An overcast day but with faint sunlight until late in the afternoon.</p> <p>CiSt and ASt covered the sky until 18h when a solid layer of St formed. A strong water sky became visible to the N at the same time.</p> <p>A bright 22° solar halo was visible during most of the afternoon and a parhelia at 16h.</p> <p>October 6, 1929.—The sky continued overcast throughout the day except for a narrow streak of clear sky along the S horizon. StCu gave way to CiSt and ASt in the afternoon. A faint 22° solar halo was visible between 13h and 16:30.</p> <p>October 7, 1929.—Mostly dark and overcast save for a temporary break in the St layer late in the afternoon. A light snow fell during most of the afternoon and evening.</p> <p>A strong water sky was visible to N in the evening.</p> <p>October 8, 1929.—A dark overcast day with moderate temperature.</p> <p>A layer of low St was present throughout and a narrow rim of water sky was visible along the N horizon.</p> <p>October 9, 1929.—A dark overcast of St and moderate temperature prevailed until late in the afternoon, when an increasing S wind brought about quick clearing and steadily falling temperature.</p> <p>Around 17h, while the sky was still overcast, a heavy shower of ice crystals began which produced some brilliant halo phenomena between 17:30 and 18:50.</p> <p>October 10, 1929.—Thin St moved in rapidly at 8:30 and covered the sky until late in the afternoon. Rapid clearing took place at 16:30 leaving the sky cloudless within a short time.</p> <p>Continued cold.</p> <p>October 11, 1929.—A sharp rise in temperature accompanied the formation of a heavy layer of St in the early morning.</p> <p>Abrupt clearing at 10:30 was followed by another steady and decided fall in temperature.</p> <p>Bright halo phenomena and falling ice crystals for brief period in the morning.</p> <p>October 12, 1929.—An easterly blizzard came up suddenly at 7h and continued until late in the afternoon when complete clearing of the sky and diminishing wind took place very abruptly.</p> <p>CiSt, appearing at 6h, gave way to a layer of StCu at 8:45, which thickened; light to moderate snow.</p> <p>October 13, 1929.—Continued cold.</p> <p>A layer of low CiSt moved in from ESE at 5h, became thick for a time, and then practically disappeared at 11h.</p> <p>A bright 22° solar halo was observed between 9:25 and 10h.</p> <p>October 14, 1929.—Continued clear and cold in the morning.</p> <p>At 13h a bank of fog was observed resting upon the barrier hill to the N and apparently rolling in slowly from the sea. This fog bank reached the camp at 16h, reduced visibility to 800 feet for an hour and then slowly lifted to leave a solid layer of St cloud in the evening.</p>	<p>Steadily rising temperature in the afternoon and evening.</p> <p>October 15, 1929.—Clearing at 10h. Dark water sky to N until clearing occurred.</p> <p>CiSt (ENE—very slow) were banked up heavily in N around 20h. Parhelia at 20h.</p> <p>October 16, 1929.—Another fine, bright day.</p> <p>A bank of ACu (apparently) existed along the NE-N horizon after 12h, thickened and spread more to the southward late in the afternoon and at 17:45 moved rapidly overhead to practically cover the sky. A very shallow surface wind from S continued to blow just beneath the NW wind throughout the evening.</p> <p>October 17, 1929.—A dark overcast day with the horizon indistinguishable.</p> <p>A layer of St was present throughout.</p> <p>Steadily rising temperature. Water sky.</p> <p>The first temperature above zero since August 19.</p> <p>October 18, 1929.—A heavy shower of ice crystals set in at 9:45 with brilliant and complex halo phenomena occurring simultaneously. The shower lessened after 10:15 and disappeared entirely at 10:35.</p> <p>St thickened again at noon, covered the sky within a few minutes, and grew thicker still during the afternoon. A light fog formed for a time and a very fine powdery snow fell late in the afternoon and evening.</p> <p>October 19, 1929.—A dark overcast day.</p> <p>A heavy layer of St and water sky (in the N) during the 24 hours.</p> <p>A light snow fell at intervals and there was some light drift in the morning.</p> <p>October 20, 1929.—Continued dark and overcast until 22:30 when the heavy St layer began to break up and to give way to a broken sheet of Ci.</p> <p>A pronounced water sky was present all day.</p> <p>A fine powdery snow fell in the evening.</p> <p>October 21, 1929.—Ci and ACu prevailed in the early morning with some light surface drift at times. The movement of the ACu was extremely unsteady, occasionally from E, SW, or WSW at apparently the same level.</p> <p>A bright 22° solar halo and parhelia appeared at 5:45. A faint upper tangent arc formed for a short time around 10h. Faint parhelia (alone) continued during the afternoon, ending at 17h. All forms were produced by thin, nearly transparent Ci.</p> <p>Mild in the morning; rapidly falling temperature in the afternoon and evening.</p> <p>Open water visible off mouth of bay.</p> <p>October 22, 1929.—Cold in the early morning but with sharply rising temperature and a formation of low ACu after 4h. The ACu continued during the balance of the morning but gave way slowly to a broken sheet of CiSt (S) around noon.</p> <p>A faint 22° solar halo with parhelia forming at intervals was noted during most of the afternoon and evening. The parhelia of Ci clouds here are always distinguished from those produced by falling ice crystals by their lesser brilliance and by an absence of the vertical streamers or arcs.</p> <p>A cold S and SW wind continued throughout.</p> <p>Open water visible off mouth of bay.</p> <p>Upper limb of sun visible tonight at midnight, L. M. T.</p> <p>October 23, 1929.—A dark cloudy day with drift in the morning.</p> <p>A layer of St (ENE?) prevailed throughout.</p> <p>Solar halo and parhelia at 1h.</p> <p>October 24, 1929.—St and light fog cleared away rapidly after 5:30 and the sky remained almost cloudless for the balance of the morning.</p> <p>St moved in slowly from NE at 11:30, covered the sky in the afternoon and steadily thickened and lowered (as shown by the steady lowering of the water sky seen from the bay). Light fog formed rapidly at 18h, thickened to lower visibility and continued dense throughout the evening.</p> <p>An unusual mirage was observed from the west side of the bay between 16:45 and 18:30. In the heavy overcast the entire snowscape (barrier and bay ice) was of a grey chalky color except for a brilliant creamy white reflection of the east barrier superimposed just above and slightly beyond the true barrier which was almost invisible in the poor light. The image began just north of Little America and extended slightly beyond East Cape to the north into the open sea. A dark grey water sky and a curtain of sea smoke was visible off the mouth of the bay; the sea has probably been open almost continuously all this month. The bay ice is changing form daily—a new pressure ridge has formed since October 20.</p> <p>October 25, 1929.—Dense fog persisted in the early morning until 5h when it began to dissipate in the strong sunlight. At 5:30 an arch of a fog bow was observed by F. T. Davies directly opposite</p>
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TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930—Continued*

the sun to the west. The ends of the arch at the horizon were approximately 40° apart and the top of the arch 20° above the horizon. Rapid clearing after this time was followed by a bright clear day with scattered ACu and ASt.

One inch of rime formed on the windward side of all exposed objects during the fog last night.

October 26, 1929.—Another bright day but continued moderately cold.

CiSt (ESE) prevailed throughout the day producing some bright halo phenomena around 8h, consisting of a 22° halo and faint parhelia, partial 46° halo (above the sun) and circumzenithal arc.

October 27, 1929.—Scattered Ci and ASt prevailed until late in the afternoon when a relatively high layer of StCu formed. Snow flurries were observed falling over the sea and to SW in the evening. A few flakes of snow fell here at intervals.

Faint parhelia formed briefly at 1h.

October 28, 1929.—Continued bright weather with moderate temperature and excellent visibility. A bank of CiSt moved in from NE and N beginning at midnight and soon covered most of the sky. Falling ice crystals and halo phenomena from 2h to 4:30.

A 22° halo was visible intermittently in the morning. Later on an upper tangent arc of 22° and parhelia formed; last seen at 15h.

Looming of icebergs to the NE over the sea was observed in the afternoon from the barrier hill to the north.

October 29, 1929.—Another fine day.

Scattered ASt and ACu prevailed until 19:40 when a low layer of St (bases resting on barrier hill at times) moved in rapidly from W. These clouds disappeared at 21h but once more came in rapidly at 21:20.

Snow flurries visible to SW and to N at 22h.

October 30, 1929.—A dark overcast day with a few flakes of snow falling continuously. Heavy streamers of falling snow were visible to the north over the sea during the entire day. A heavy strip of water sky was present throughout.

A dense layer of St continued during the 24 hours.

Moderate temperature.

September and October have both been inactive months; not a real blizzard has occurred since September 18.

The barometer continues extraordinarily steady.

October 31, 1929.—Continued dark and overcast with a heavy layer of St cloud persisting throughout the 24 hours.

Heavy snow flurries were visible to the north against the water sky during the entire day.

A few flakes of snow (mostly pellets or graupel) fell here at intervals. Continued moderate temperature.

November 1, 1929.—Continued dark overcast weather with a dense layer of St remaining unchanged throughout.

Heavy streamers of falling snow were observed to the north against the water sky during most of the day. At 9:15 the streamers were bent sharply in an east wind but in the afternoon they appeared to be blown eastward in a west wind. Most of the flurries appeared to fall along the edge of the barrier and the open sea although one or two advanced several miles in over the barrier. Small pellets and scattered snowflakes fell here almost constantly.

November 2, 1929.—Continued dark overcast weather with moderate temperature.

A very light snow (mostly graupel) fell almost constantly. Heavy snow streamers were again observed to the north against the water sky.

November 3, 1929.—Continued dark cloudy weather with a very light snow in the early morning.

St in the morning lifted to form StCu in the afternoon and evening.

November 4, 1929.—A dark overcast day with occasional light snow flurries falling from StCu cloud.

At 15h the StCu dissipated quickly and disclosed a layer of low CiSt above, arranged in rolls running N and S (no direction visible). Within a short time St (E) moved in to cover the sky and at 16:30 a brisk driving snowfall set in which continued steadily until 20:45. St again gave way to broken StCu at this time.

Cu tops were observed along the N horizon in the morning with the usual strong water sky on the StCu cloud.

November 5, 1929.—Patches of thin St and low StCu drifted in from SSE in the afternoon and thickened in the evening.

November 6, 1929.—A cloudy day with a layer of StCu remaining throughout.

November 7, 1929.—A dark cloudy day with a layer of StCu slowly lowering to form St in the evening.

Heavy snow flurries were visible to N against the dark water sky in the evening and a very light snow fell here at times.

18h: 4 kites and wire forced down on barrier by weight of rime formation in clouds.

November 8, 1929.—A dark unsettled day with almost continual snow flurries either falling here or visible somewhere around the horizon.

At 16:40 a hard snowsquall came up from the north and lasted until 17:25. Another hard snow flurry occurred around 21h.

November 9, 1929.—Sharp driving snow flurries fell frequently from large Cu clouds which towered over the sky and pushed up into bulging dome shaped tops, occasionally even with the typical anvil top of the cumulo nimbus. Strong convection was experienced during a kite flight at that time (11h). The wind at the Cu level also fluctuated frequently; now strong NNW, later light SE and still later ENE.

Scattered CiSt (NNW) were present most of the day and occasionally some false Ci overflow from the Cu. A 22° solar halo was visible at times until 11h; a bright parhelion was also seen around 21:30.

November 10, 1929.—A bright day. Seven separate aeroplane flights were made in the afternoon, the first of the season. The sea was closed in entirely by pack ice and some thin ice which apparently had just formed. Two large bergs were seen stranded near the East Cape.

Scattered CiSt during the day gave way to ACu in the late afternoon. Typical ACu in form, some appeared to lie around 800 meters, others much higher; some appeared stationary along the S-E horizons for hours; other ACu moved from the S. A sharp and sudden drop in the temperature in the evening was accompanied by a shower of ice crystals which produced some brilliant parhelia and arcs. Looming was observed to the SW over the bay ice at this time also.

November 11, 1929.—A pleasant day with the sun either shining brightly or showing faintly through the StCu cloud layer.

November 12, 1929.—A brisk windy day.

An E wind increased steadily and picked up light drift along the surface in the late afternoon and evening.

A low cloud sheet in the early morning began to break up at 9h to form typical ACu although remaining around the 900 m. level.

A faint 22° solar halo and parhelia formed for a few minutes in the afternoon; also a very faint 46° halo.

November 13, 1929.—A fine day.

November 14, 1929.—A disagreeable day but clearing up fine in the evening.

StCu thickened in the morning and fresh E winds picked up drift. Around noon the overcast was a heavy St.

One inch of rime formed on the head kite while in the heavy St layer at midday.

November 15, 1929.—A fine clear day with brilliant sunlight.

November 16, 1929.—A clear day but with an increasing E wind which picked up drift along the surface in the afternoon.

A few scattered patches of Ci were the only clouds all day.

A shower of ice crystals fell from 0 to 3h.

November 17, 1929.—Another bright clear day with warm sunlight and only gentle breezes from SW.

A few scattered Ci were the only clouds observed during the entire day.

From the plane at 12,000 ft. Open water was seen extending along the edge of the barrier for 200 miles. Pack ice and bergs were visible well out at sea.

November 18, 1929.—Another fine day, cloudless save for a few small Cu which developed over the sea for a short time at noon.

November 19, 1929.—Continued pleasant weather; cloudless until 17:30 when a few patches of low Ci moved in from SSW.

November 20, 1929.—Continued clear and fine.

At 15:30 the first low clouds seen here for 6 days appeared along the N horizon and moved in over the camp in the evening.

It has been a remarkable stretch of clear, settled weather.

November 21, 1929.—An unsettled day with StCu alternately building up and dissipating, allowing brilliant sunlight for a while and a short time later almost obscuring the horizon.

A steady light fluffy snow fell in the early morning. The flakes were large hexagonal crystals falling gently to the surface. Heavy flurries were seen to the NW at 3h.

November 22, 1929.—Clearing set in in the E at 2h and the St broke away steadily. Layers of CiSt (WNW) and ASt (WNW) moved in later in the morning and produced halo phenomena throughout most of the afternoon and evening, even while snow was falling.

Complete 22° halo, parhelia of 22° and the circumzenithal arc were visible from 16 to 20h.

November 23, 1929.—Fog formed rapidly after 21h over the barrier to SE and reached the camp for a brief period at 21:45.

Sea full of pack ice.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930—Continued*

- November 24, 1929.—Strong water sky.
 November 25, 1929.—A mild day.
 November 26, 1929.—Strong water sky in afternoon up to 25°. An unsettled day with alternate sunshine and thick overcast sky with snow flurries.
 St in the early morning gave way to rolls of white StCu which steadily raised in altitude during the afternoon.
 Slow clearing set in from S and SW at 17h followed by steadily falling temperature in the evening.
 November 27, 1929.—A bank of ACu appeared in SW and W just after midnight, moved overhead and continued during the balance of the day.
 November 28, 1929.—A mild day but with a steady ESE breeze which picked up lt. surface drift at times.
 Scattered ACu in the early morning were followed by patches of StCu (ENE). A bank of StCu appeared in the E at 13h, moved overhead and then remained unchanged until 20h; E, S, and SW horizons remained clear during this period. These clouds dissipated rapidly after 20h leaving the sky clear.
 Polar flight departure at 15:29.
 November 29, 1929.—Practically cloudless all morning.
 StCu moved in from W in the afternoon with an increasing NE wind and some very light snow in the evening.
 Polar plane returned at 10:09 after making one stop for refueling at mountain base.
 November 30, 1929.—An overcast of StCu in the early morning with fresh E winds and some light drift.
 Partial clearing at 5:30.
 Wisps of Ci in the afternoon.
 December 1, 1929.—A fine day, mild and nearly calm. A few small Ci and StCu were visible along the horizon during the day. The bay ice remains solid out slightly beyond the capes.
 Considerable thawing now in the vicinity of dark objects and wherever the snow is dirty.
 December 2, 1929.—Another fine day; clear, calm, and mild. A few Ci were the only clouds.
 Blue icicles form daily now on all vertical snow surfaces such as the barrier cliff and upraised pressure ice.
 The sea is ice covered as far as the eye can see.
 December 3, 1929.—Another fine day with bright sunlight through a layer of CiSt.
 A faint 22° halo formed for a short time at noon.
 December 4, 1929.—Continued good weather, mild and with bright sunlight.
 The barrier surface has softened considerably in the last few days.
 December 5, 1929.—Continued fair, mild weather and brilliant sunlight.
 A layer of ACu moved in from SW in the afternoon but dissipated in the evening.
 A few low St moved in from W at 18:30.
 December 6, 1929.—Continued clear, mild weather.
 December 7, 1929.—Continued bright, mild weather. Scattered Ci at midday were moving rapidly from WSW.
 December 8, 1929.—Partly cloudy but continued fine and mild with bright sunlight through thin clouds.
 Very low St moved in from SW at 21h lowered (?) to form lt. fog on the surface for a while and then lifted again. Patches of heavy fog were still visible over the bay at midnight however.
 Lt. fog in the early morning was attended by formation of rime on windward side of objects.
 December 9, 1929.—St moved in from ESE at about 50 m. at 5h, then lowered (?) to form thick fog. Sun was dimly visible through the fog. Rapid clearing between 12:30 and 13h.
 This process was repeated late in the evening when another bank of fog rolled in from SW, the sun again being dimly visible through it.
 Except for these brief interruptions the day was fine and mild.
 December 10, 1929.—The first break in the stretch of good weather. Fresh E winds were strong enough to pick up light surface drift. St (E) in the morning followed by StCu (E).
 Some CiSt (NW) at midday.
 December 11, 1929.—An overcast of StCu (SE) in the early morning followed by abrupt clearing from S at 5:30.
 A fine day with bright sunlight through a broken layer of ACu (S).
 December 12, 1929.—A pleasant day. Bright, glaring sunlight until 16h when a layer of StCu (W) thickened and continued through the evening.
 December 13, 1929.—Overcast in the morning with a dense fog followed by a steady fall of fluffy snowflakes.
 Temporary break-up of the STCu in the afternoon but a solid over cast again prevailed in the evening. A mild day.
 December 14, 1929.—A cloudy day with some light snow and fog in the morning.
 St raised somewhat in the evening to form StCu.
 Sounding obtained in Ver Sur Mer inlet just 200 ft. from the mess hall: Snow, 3 ft.; ice, 13 ft.; salt water, 1,590 ft. (to clay bottom).
 December 15, 1929.—Dark overcast until 16h with some light snow falling and a moderate NE wind.
 Rapid clearing of St at 16h followed by mostly clear until 21:20 when St overcast again prevailed.
 December 16, 1929.—A dark cloudy day with a few flakes of snow falling at intervals in the morning.
 StCu (SW) gave way to St (SW) shortly before noon and these clouds lowered steadily in the evening, practically resting on the barrier between 19 and 22h.
 December 17, 1929.—St were followed by a heavy layer of ACu (NE) in the early morning, permitting occasional sunlight. Much settling and softening of snow about the houses.
 Increasing E winds picked up light surface drift in the afternoon and evening.
 A bank of low St appeared along the NE and E horizon at 15h and spread overhead slowly.
 A light mist began at 23:15 forming a thin transparent coating of ice upon exposed objects by midnight.
 December 18, 1929.—A dark day with a light freezing mist.
 December 19, 1929.—A dark overcast morning followed by clearing at noon and a fine, clear afternoon and evening.
 St gave way to StCu, ACu, and Ci at noon, all of these clouds passing off to form a bank along the W and NW horizons in the afternoon.
 December 20, 1929.—Increasing cloudiness and wind in the morning.
 December 21, 1929.—A cloudy day with a layer of StCu lowering and thickening in the afternoon. Light snow began to fall intermittently at 15:15 and heavy snow squalls prevailed to NW and N during the evening.
 December 22, 1929.—A dark overcast day throughout save for a short period around 8h when the layer of St thinned out considerably and disclosed a sheet of CiSt above.
 December 23, 1929.—Another dark, thick day with a combination of heavy St Cloud, lt. snow, lt. drift and lt. fog.
 The snowflakes today were large and rather moist.
 December 24, 1929.—Continued dark thick weather and poor light conditions.
 A heavy fall of medium sized graupel occurred between 19h and 19:45.
 December 25, 1929.—Another dark cloudy day with intermittent heavy snow flurries falling from dense rolls of StCu cloud. Visibility as low as 500 ft. during heavier falls at 10h.
 December 26, 1929.—Another dark overcast day until 19:45 when the StCu layer began to break along the WSW horizon. Complete clearing half an hour later, permitting brilliant sunlight for the first time in weeks.
 Low St again formed at 21:40, thickened steadily and finally (reached the surface?) at 22:15 as dense fog.
 A sharp fall in temperature attended this formation.
 December 27, 1929.—A fine bright day, the first in weeks. Light winds and brilliant warming sunlight.
 Thin St (WSW) formed at noon, thickened for a while and then dissipated.
 At 21h low St again moved in from WSW and a light fog formed for a short time attended by a sharp fall in temperature.
 Fairchild plane unable to take off at 11h due to sticky snow surface; ½ inch of new snow covers the barrier and becomes moist at midday.
 December 28, 1929.—Partly cloudy, calm and unusually mild in the morning with a broken layer of StCu moving in from WSW and W at 12:30. These clouds were soon heavy enough to reflect a dark water sky.
 December 29, 1929.—Continued fine, mild weather with intermittent bright sunlight through broken layers of StCu, ACu, and CiSt.
 The StCu and ACu formed in the layer where the lower SE wind shifted to NW.
 December 30, 1929.—Continued fine weather. Bright sunlight prevailed through thin broken layers of ACu and Ci.
 The ACu again formed in the transition layer between the SE and NW winds.
 December 31, 1929.—Broken layers of ACu, ASt, and Ci continued during the day permitting faint to bright sunlight.
 Patches of StCu moved in from SSE at 19h and gave very light snow for a while.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930—Continued*

The bay ice is in almost the identical position of last year at this time. The W edge is $1\frac{1}{2}$ miles S of West Cape—the E edge is 3 miles S of East Cape.

The first pressure ridge runs E and W about 3 miles S of the edge of the ice.

January 1, 1930.—A cloudy, mild day with light wind.

January 2, 1930.—A temporary break in the St layer at 15:25 showed dense CiSt above.

January 3, 1930.—Hard snow squalls from 12:40 to 13:45.

Large moist flakes fell from a lowering Cu cloud which formed in the N and moved in over the camp. Another series of squalls in the evening.

An unsettled day beginning with a dense fog which dissipated slowly after 4h.

Heavy layers of St and StCu throughout the day with a broken layer of CiSt occasionally visible above through breaks in the lower clouds.

January 4, 1930.—Steady light snow during most of the day but with the sun occasionally visible through the thin St layer (ENE).

Whalers report a southerly gale and clear sky in the ice pack 600 miles to N.

January 5, 1930.—A faint 22° solar halo was visible at intervals during the evening. Whalers again report a southerly gale near and to S of the ice pack.

January 6, 1930.—A brilliant 22° solar halo from 9h to 9:45. A sheet of CiSt (NNE) and high ASt (NE) prevailed throughout the day.

January 7, 1930.—A break in the StCu at 6:30 permitted occasional bright sunlight and fine visibility until late in the afternoon. ASt and StCu thickened steadily in the evening.

January 8, 1930.—A few large flakes of snow fell at intervals after 13:30. Continued dark overcast sky and bad conditions of light and visibility.

The bay ice has now gone out to within $\frac{1}{4}$ mile of the barrier cache. There are leads in the ice as far S as Framheim; one, opposite the camp at the mouth of the inlet is 3 ft. wide.

January 9, 1930.—Continued overcast weather with bad light conditions. StCu gave way to a solid sheet of low St in the evening.

January 10, 1930.—Another dark, overcast day, although a break in the StCu layer occurred between 10h and noon which permitted brief flashes of bright sunlight.

Another solid low sheet of St shut in at 20:30.

January 11, 1930.—Continued dark, overcast weather, a layer of StCu remaining almost unbroken throughout the entire day. Patches of low St underneath.

January 12, 1930.—Continued heavy overcast except for a temporary break in the St and StCu layers from 11:15 to 15h.

January 13, 1930.—The solid layers of StCu and St broke up quickly at 13:15 and left the sky almost cloudless by 14h.

January 14, 1930.—A dark, overcast day with occasional light snow flurries.

January 15, 1930.—Another cloudy, dark day with intermittent light snow in the early afternoon.

Abrupt clearing at 18:15 and the evening was bright and pleasant with wind almost calm.

Low St and StCu again moved in from NW at 21:45.

Fog formed on the bay at midnight.

January 16, 1930.—Partial clearing of the StCu at 6h permitted bright sunlight in the morning; but the clouds thickened again in the afternoon and gave a steady light snow in the evening.

January 17, 1930.—Rapid clearing of heavy St at 8:20.

Leads and pools of water in the bay ice are beginning to freeze again.

January 18, 1930.—A dull, cloudy day.

A sheet of CiSt (ESE) was visible at times through breaks in the layer of StCu.

A parhelion of 22° was visible at 21:30.

January 19, 1930.—Another day with a low layer of St persisting throughout. Some light snow in the evening.

January 20, 1930.—Mapping flight to Discovery Inlet and return from 10:30 to 13:45. A bank of clouds was reported as covering the sea and also extending to the west of Discovery Inlet.

An unsettled day with alternate bright sunlight and partly clouded sky. Patches of thin StCu moved in from SW in rapid succession with periods of bright blue sky in between.

StCu were moving from SE at 21h.

January 21, 1930.—A fine bright day with only scattered patches of Ci and ACu dotting the sky.

A sudden increase in the SE wind at 16h.

Mapping Flight to the West from 14:10 to 18:25; "heavy clouds" were reported over the sea and to the W of Discovery Inlet; cloudless over the interior.

January 22, 1930.—Another fine bright day but with a disagreeable gusty SE wind. The "baked" nature of the snow surface prevented any drift.

A few Ci appeared in SW just after 12h, thickened in the evening for a while and then practically disappeared at 22h.

January 23, 1930.—A fine bright day but with a chilly E wind blowing until 19h. Almost calm in the evening with a layer of StCu moving in from S after 21:45.

January 24, 1930.—Cloudy in the morning but with slow clearing from S after 12h.

January 25, 1930.—A fine day.

January 26, 1930.—A thin layer of St formed at 2:30 and was soon attended by a light fog which finally became dense at 6:30. The fog lifted in a short time but a broken layer of heavy St persisted until 9:30.

Complete clearing at 16h.

The bay ice along the E barrier is completely broken up into large floes. The edge of open water is now 3 miles N of Ver sur Mer Inlet.

January 27, 1930.—Another fine clear day with small wisps of Ci dotting the sky.

At 18h isolated patches of StCu began to move in from the NW. At 21:30 a heavy, dark bank of cloud began to build up in NW and N, producing a water sky up to 50° elevation.

The cloud layer moved overhead steadily and nearly covered the sky by midnight.

January 28, 1930.—The first blizzard in months.

A steady snow set in soon after 0h and continued until late in the evening.

A heavy layer of St cloud was present throughout.

Whaler *Kosmos* reports calm and a fall of rain. Other whalers at 67.5° S report dense fog.

January 29, 1930.—A fine day with faint to bright sunlight through broken high clouds; Ci and ACu.

The S wind increased suddenly late in the afternoon and produced some surface drift for several hours.

January 30, 1930.—A thin layer of St at an altitude of about 200 ft. in the early morning which underwent frequent changes of form and density while passing over the camp from SW and WSW.

The St disappeared entirely at 12:15 but broken ACu moved in from WSW after 14h.

A shower of ice crystals produced bright parhelia and a portion of a 22° halo between 3:30 and 5h.

January 31, 1930.—A heavy snow flurry fell from a very low and thin layer of St (N) between 3h and 3:20. Successively the snow was small graupel, large feathery hexagonal flakes, finally minute crystals.

The sky cleared up following the squall and remained so until 12h when there was a layer of StCu (direction shifting slowly from WNW to NE). At 15:30 the StCu gave way to a layer of ACu and ASt which thickened steadily and moved in from the NE.

A heavy, steady snow set in abruptly at 16:50 and became still heavier in the early evening with increasing SE winds.

February 1, 1930.—Increasing S winds.

A light snow fell in the afternoon and evening.

Shortly after 23h the lower clouds broke away and permitted a view of a brilliant 22° halo, upper tangent arc and circumzenithal arc produced by a heavy shower of ice crystals.

Sound of surf against the barrier and edge of bay ice plainly audible all day (3 miles to N).

February 2, 1930.—Unsettled in the morning; frequent changes of sky with the halo remaining brilliant until 4h. The air was filled with a haze of falling ice crystals.

StCu moved in from W just after 12h followed by a steady thickening of the sky and some light snow after 17h.

February 3, 1930.—Mostly clear until 8:30 when a thin layer of St moved in quickly from WNW, soon covering the entire sky. A light fog also formed at this time but was of brief duration.

A few flakes of snow began to fall just before noon and continued at intervals during the balance of the day.

Temporary clearing of sky at 17:40 leaving only a few patches of StCu (WNW) in the W. St again formed at 18:45 and a little later covered the sky once again.

Rumble of sea against the bay ice again audible.

February 4, 1930.—Another unsettled day with intermittent heavy snow flurries.

Strata of clouds were visible occasionally up through the Ci level with movement of all from WNW and NW.

TABLE 39.—*Meteorological notes at Little America, February 16, 1929, to February 19, 1930—Continued*

February 5, 1930.—Heavy shower of ice crystals and halo phenomena at 13:55.

February 7, 1930.—An unseasonably cold and blustery day with fresh S and SW winds until late afternoon.

Drift came on very suddenly at 6:15 and was visible in the SW at 5:30 as a low murky haze.

February 8, 1930.—Blue sky in the N beginning at midnight and spreading higher during early morning.

February 9, 1930.—A beautiful day with only wisps of Ci dotted over the sky.

All meteorological instruments dismantled and crated. Instrument shelter will be left standing to permit abbreviated eye observations until departure.

Pilot balloon ascents discontinued.

February 11, 1930.—*City of New York* hove to in severe SSE gale at 75°10' S, taking on considerable ice.

Continued clear and cold with sub zero temperatures throughout the day. A heavy bank of fog was visible out at sea during most of the day.

An E wind came up in the evening causing light drift.

February 12, 1930.—*City of New York* still laboring in heavy head sea and SSE gale. Taking on more ice and life lines rigged over ship.

A disagreeable day here with a cold easterly wind blowing up; light drift throughout.

February 13, 1930.—*City of New York* still practically hove to in a heavy head sea and SE gale.

Another disagreeable day with fresh E winds continuing and

stirring up light drift until early evening. Drift heavy at times until 8h.

February 14, 1930.—*City of New York* making little or no headway against a head sea and SSE gale. Dead reckoning puts her just 90 miles N of the Barrier but at 179° W.

Another large section of the bay ice went out today on the W side bringing open water right up to the mouth of Floyd Bennett Harbor.

A fine day here with sunlight filtering through a smooth sheet of AS.

February 15, 1930.—*City of New York* making little headway in a driving SE snowstorm and gale of force 10. She is now about 45 miles N of Barrier reporting a terrific load of ice from stern to stern.

Whaler *C. A. Larsen* turned back north again after finding ice pack too heavy.

Continued overcast with a light driving snow setting in at 15h. Drift set in shortly afterward with increasing E winds.

February 16, 1930.—*City of New York* sighted Ross Island early today and later Mount Erebus, ship having been carried 100 or more miles W of her dead reckoning. At 8h she reports, "gale continues so will proceed E in lee of Barrier."

February 17, 1930.—A fine bright day with clearing at 14h, the temperature falling to well below zero.

February 18, 1930.—*City of New York* arrived at 18:30 and tied up to ice at Floyd Bennett Harbor.

A cold day with temperature about -10° this evening during preparations for embarking. Solid fog over sea but clear "inland" and a biting breeze coming from S and SW.

February 19, 1930.—Took departure from Bay of Whales at 9h.